

Final Examinations of some Governorates.

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلمة المعاصد الصف الاول الاعدادي مع المعاصد

PART

Cairo Governorate

St. Joseph's Language School

Answer the following questions:

Question

A Complete the following state	ments

- 1. In solar cell energy changes into energy.
- 2. The monoatomic liquid is, while is diatomic liquid.
- 3. The symbol of sodium is , while that of gold is
- 4. Heat transfers through solids by, while through liquids by

Mention one difference between :

- 1. The electron and the proton.
- 2. Insects and arachnids.

Problem:

An object whose mass is 2 kg is moving at a speed of 5 m/sec. Calculate its kinetic energy.

Question

A Put (√) or (x):

- 1. An alloy of nickel chrome is used in making heating coils.
- 2. Birds migration is an example of structural adaptation.
- Pine plant is from an angiosperms plants.
- 4. The energy level (N) is saturated by 32 electrons.
- 5. The ammonia molecule consists of one nitrogen atom and three hydrogen atoms.

B Write the electronic configuration of :

Sugary solution is a good conductor of electricity.

1. 35Cl

2. 20 Ne

3.16O

C Problem:

A piece of iron, whose mass is 78 gm is placed in a measuring cylinder containing 40 cm³ of water so water rises up to 50 cm³. Calculate the density of iron.

Question

Give reasons for:

- 1. The freezer is placed at the top of the fridge.
- 2. Inert gases are chemically inactive elements.
- 3. The atom is electrically neutral.
- 4. Some animals hibernate in winter.

بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع

B Choose the correct answer:

- 1. The attraction forces among solid molecules are
 - a. strong.

b. weak,

- c. almost not found.
- 2. The front limbs of whale are modified into
 - a. legs.

b. wings.

- c. paddles.
- 3. Kinetic energy is changed in electric energy in
 - a. motor.

b. dynamo.

c. simple cell.

- 4. is from micro-organisms.
 - a. Drosera

b. Euglena

c. Scolopendra

O Define :

- 1. Melting point.
- 2. Potential energy.

Question

4

Write the scientific term:

- 1. The ability to do work or to make a change.
- 2. The smallest building unit of matter which can exist freely.
- 3. The number of protons inside the nucleus.
- 4. The ability of some animals to change their colour to stimulate the environment.

B Give an example for:

- 1. Very active metal.
- 2. Dicotyledon plant.
- 3. A rodent animal.
- 4. A solid substance which is soft at room temperature.

What happens when ...?

- 1. You add 50 cm³ of ethyl alcohol to 100 cm³ of water.
- 2. The electron gains a quantum of energy.

2 Cairo Governorate

Holy Family School

Answer the following questions:

Question



A Give one example for :

- 1. A substance that has low melting point.
- 2. A plant isn't distinguished into roots, leaves or stems.
- 3. A bird feeds on fish.
- 4. A solution that is good conductor of electricity.

المعاصر علوم لغات (Notebook) / ۱ع/تيرم ١ (م: ١٥)

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى فالمعمولة

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى فالمعمولة

Question

3

Mrite the scientific term:

- 1. The basic classification unit of the living organisms.
- 2. The sum of potential energy and kinetic energy.
- 3. The spaces among molecules.
- 4. Gases that their molecules are composed of one atom only.
- 5. Change of matter from solid state into liquid state.

B Correct the underlined words:

- 1. Ammonia molecule is composed of three atom(s).
- 2. Insectivorous plants absorb nitrogen to form fats.
- 3. Celebration balloons are filled with hydrogen or oxygen gases.
- 4. The rule (2n²) is used to fill the energy levels with protons.
- 5. Friction generates (produces) light energy.

Redraw the table then complete it:

P.O.C	Energy used	Energy produced
Photosynthesis:	***************************************	101011111111111111111111111111111111111
Dry cell :		***************************************

Question

4

A Cross out the odd word:

- 1. Vougheir Bean Pea Wheat.
- 2. $_{11}Na _{19}K _{12}Mg _{3}Li$
- 3. Wood Cork Ice Nail.
- 4. Evaporation Hibernation Aestivation Birds migration.

B Answer the following:

In the following atom $\binom{27}{13}$ Al).

1. Draw the electronic configuration.	***************************************
2. The atomic number =	***************************************
3. The mass number =	***************************************
4. Number of neutrons =	***************************************

What happens when ... ? Hot object touches a cold object.

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1. Heat transfers b	y radiation through		
a. liquids only.		b. gases only.	
	a and non-material ones.	d. metals only.	
2. From animals w	ith internal support		
a. octopus.	b, fish.	c. snail.	d. jellyfish.
3. Silver is symbol	lized by		
a, Hg	b. S	c. Si	d. Ag
4. Chemical energ	y can be stored in	***	
a. car battery.		b. stretched sprit	ng.
c. raising a load upwards.		d. car lamps.	
5 is an	example for plants that rep	produce by spores.	
a. Pine	b. Bean	c. Vougheir	d. Wheat
6. An object of ma	ass 2 kg is moving at a spe	ed of 4 m/s, has ki	netic energy
a. 16 J.	b. 64 J.	c. 32 J.	d. 128 J.

Copy the following table at your answer sheet, then complete it:

Technological applications	Resource of energy Permanent/Non-renewable	Effect on environment Polluted/Non-polluted
1. Coal fire	***************************************	E
2. Petroleum car engine	********************************	***************************************
3. Gas stove		***************************************
4. Solar heater	***************************************	***************************************

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى

a. 16 J.

- (I) Cross out the unsuitable word, then write the relation between the other words:
 - 1. Bean Pea Maize Pine Wheat.
 - 2. Petroleum Wood Cork Iron.
 - 3. Locust Mosquito Spider Cockroach Fly.

Question

2

- **A** Complete the following statements:
 - 1. The front limbs of whale are modified into to help it to
 - 2. When a body is raised up, the potential energy, while the kinetic energy
 - 3. and are examples for insectivorous plants.
- B Solve the following problem (Write all laws and measuring units used):

In an experiment to determine a liquid density, the following results are recorded:

- The mass of an empty cylinder = 65 gm.
- The mass of the cylinder containing liquid = 155 gm.
- The volume of the liquid measured by a graduated cylinder = 100 cm³. Calculate liquid density.
- "Each modification is for specific function" In a table, write the function of each of the following:
 - 1. Front teeth of hedgehog.
- 2. Wide indented beak of duck.

3. Pads of camel.

- 4. Beaks of hawks.
- D What happens in each of the following cases ... ?
 - 1. Leaving a piece of iron exposed to moist air for a period of time.
 - 2. Friction of the bicycle wheels to a rough surface.
 - When energy of an electron becomes larger than the energy of the level in which it rotates by an amount of energy equals a quantum.
 - 4. A ball is raised upwards, then it is left to fall downwards.

Question

3

- M Give reasons for each of the following:
 - 1. Atom is electrically neutral.
 - 2. Individuals of the same species have different characters.
 - 3. The heater is placed on the ground.
 - 4. Some species of birds migrate from their original habitats in winter.

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بذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى العاصولة



(B) Copy the following table at your answer sheet, then complete it :

Points of comparison	Ice	Water	Water vapour
1. Keeping shape and volume:		***************************************	
2. Intermolecular force:	***************************************		***************************************

Rewrite the underlined words in following sentences after correcting:

- 1. Neutrons are positively charged.
- 2. Fuel energy is considered from the clean energy resources.
- 3. Bean plant is considered from monocotyledons.
- 4. Oxygen gas is an inert gas that couldn't share in chemical reactions at normal conditions.

(B) Choose from (B) what suits from (A):

(A)	(B)
1. Density measuring unit	a. conduction.
2. Travelling of solar heat to the Earth	b. cm ³
3. Substances conduct heat and electricity	c. radiation.
4. Factors affecting kinetic energy of an object	d. copper and iron.
5. Volume measuring unit	e. gm.
6. Simple cell is an example for energy transformation	f. gm/cm ³
	g. wood and plastic.
	h. object's weight and its height.
	i. from chemical to electric.
	j. object's mass and its speed.
	k. from electric to chemical.
	1. cm ²

Question

- A Give an example showing each of the following:
 - 1. Vertebrate animal.
 - 2. Teethless mammals.
 - 3. Animal makes hibernation.
 - 4. Camouflage in insects.
 - 5. Animal makes aestivation.

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هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداوله على مواقع أخرى فالتعليم

B Copy the following table at your answer sheet, then complete it:

Tel		Electronic c	onfiguration	
Element	K	L	M	N
23 11Na	***************************************		*************	***********
²⁴ ₁₂ Mg			1441443444444444	3

© Solve the following problem:

Find the potential energy of an object its mass is 5 kg when found at height 10 m from ground, consider gravity acceleration = 10 m/s².

The figures below represent the electronic configuration of atoms of some elements:

(A)	(B)	(C)

Study these figures well, then determine each of the following:

Find	Atom (A)	Atom (B)	Atom (C)
Atomic number of each atom:	***************************************	***************************************	
Mass number of each atom:	***************************************	***************************************	

Cairo Governorate

Al-Waha Language School

Answer the following questions:

Question

Write the scientific term:

- 1. Negatively charged particles of negligible mass revolve around the nucleus.
- 2. Organisms that can't be seen by the naked eye and they spread in air, water and soil.
- 3. The way by which the heat is transferred through gases and liquids.
- 4. The behaviour that frogs and toads do in the winter to avoid the low temperature.
- 5. The ability of some living organisms to be hidden from their enemies.
- 6. The mass of unit volume of the substance.
- 7. The gases which their molecules consist of one atom.
- 8. A group of animals that have one pair of incisors in each jaw.
- 9. Energy is neither created nor destroyed, but it is converted from one form to another.

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعاملة

كتباب المط

موالع والمساوي

الصف الأول الأعدادي

كتساب المعاصير

مواقع والمساوي

الصف الأول الأعدادي

nsects.		()
decreases when their mo	vement increases.	()
cold water.		()
pport.		()
wing elements :			
2. Aluminium.	3. Nitrogen.		
5. Silver.	6. Hydrogen.		
	pport. wing elements: 2. Aluminium.	decreases when their movement increases. cold water. pport. wing elements: 2. Aluminium. 3. Nitrogen.	decreases when their movement increases. cold water. pport. wing elements: 2. Aluminium. 3. Nitrogen.

If the density of alcohol is 0.8 gm/cm³, find the volume if its mass is 88 gram.

Question

Correct the underlined words:

- 1. Oxygen molecule consists of three atoms.
- 2. The molecule of a compound consists of similar atoms.
- Number of protons = Mass number Atomic number.
- B Mention the changes of energy in the following:

Examples	Energy used	Energy produced
1. Solar heater:		
2. Photosynthesis:	· ·· ·································	

- State a difference between each of the following:
 - 1. A rabbit and a squirrel.
 - 2. Pea plant and wheat plant.
 - 3. The camel's pad and the horse's hoof.
- D Write the electronic configuration of the following elements and mention the type of each one (active or inactive):
 - a. 7Li

- b. ²⁴Mg
- c. 39K
- b. 20 Ne

Cairo Governorate

Gaber El-Ansary Language School

Answer the following questions:

Question

- Complete the following:
 - 1. Density is the of unit volume of the matter and its unit is
 - 2. Hydrogen molecule consists of atoms, while argon molecule consists of atoms.

المعاصر علوم لغات (Notebook) / ١ ع / تيرم ١ (م: ١٦)

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصف الاول الاعدادي مصحوص التعليمي التعليمي المعاددي المعاددي المحصوص العاددي المعاددي المعاددي

Cairo Governorate

East Nasr City Educational Directorate Science Inspection

Answer the following questions:

Question



A Complete the following statements:

- 1. and belong to teethless mammals.
- 2. The measuring unit of mass is , while is the measuring unit of volume.
- 3. and are examples of insectivorous plants.
- 4. Matter consists of small building units called , which consist of smaller building units called
- 5. Potential energy = ×

B Problem:

When a piece of iron of mass 78 gm is put in a graduated cylinder containing 100 cm³ of water, the reading of the cylinder becomes 110 cm. Calculate the density of iron.

Give an example for each of the following:

- 1. A device changes kinetic energy into electric energy.
- 2. Plants reproduce by spores.

Question



Write the scientific term for each of the following:

- 1. The simplest state of matter which can't be decomposed into a simpler one by chemical methods.
- 2. It is the amount of energy lost or gained by an electron when it transfers from one energy level to another.
- 3. The ability to do work or to make change.
- 4. The temperature at which matter changes from liquid state to gaseous state.
- 5. The ability of some living organisms to simulate the dominant environmental conditions to be hidden from their enemies or even to capture the preys.

B Compare between each of the following:

- 1. Insects and arachnids. According to the (number of legs)
- 2. Bean plant and maize plant.
- 3. Solid and gas. (Concerning attraction force among molecules)

Write the electronic configuration of the following elements:

1. 16S

2. ₇N

3. 20Ca

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أ الصف الاول الاعدادي (مركي الكيري التعليمي التعليمية)

m>

I. Electric bell. 2. S	Simple cell. 3. Electric heater.		
Cross out the unsuitable w	ord for each in the following :		
1. Petroleum - Wood - Cork			
3. Sodium - Copper - Alum	•		
5. Godium - Copper - Aldin	minom - Hon. 4: Dec - Spider - Fry - Ant.		
7 Giza Governo	Lycée El-Haram Language Schools		>
Answer the following question	ns :		
Question			
Put (√) or (x) and correct	the wrong ones:		
1. The distance between the	molecules in solids is very tiny.	()
2. The mass number is the a	mount of energy gained or lost to transfer an electron		
from an energy level to ar	nother.	()
3. The chemical symbol of the	the sodium element is (Sa).	()
4. Kinetic energy is a work of	done during a motion of an object.	()
Heat transfers by convect	tion in liquids only.	()
Arachnids have 4 pairs of	f jointed legs such as a spider.	()
7. The bean plant is an exam	nple of dicotyledon plants.	()
B What is meant by the follow	wing ?		
1. The temperature.	2. The mass number.		
	4. Heat transfers by radiation.		
3. Structural adaptation.			
	ollowing elements :		
3. Structural adaptation.	ollowing elements : 2. Gold. 3. Iron.		
3. Structural adaptation. Write the symbols of the fo			
3. Structural adaptation. Write the symbols of the form. 1. Sodium.	2. Gold. 3. Iron.		
3. Structural adaptation. Write the symbols of the form. 1. Sodium. Question 2	2. Gold. 3. Iron.		
3. Structural adaptation. Write the symbols of the form. 1. Sodium. Ouestion Choose the correct answer	2. Gold. 3. Iron.		
3. Structural adaptation. Write the symbols of the form 1. Sodium. Ouestion Choose the correct answer 1. As an object is launched to	2. Gold. 3. Iron. ipwards b, its speed increases.		
3. Structural adaptation. Write the symbols of the form 1. Sodium. Ouestion Choose the correct answer 1. As an object is launched at a its speed decreases. c. its kinetic energy increases.	2. Gold. 3. Iron. ipwards b. its speed increases.		
3. Structural adaptation. Write the symbols of the form 1. Sodium. Ouestion Choose the correct answer 1. As an object is launched at a its speed decreases. c. its kinetic energy increases.	2. Gold. 3. Iron. b. its speed increases. ases. d its potential energy decreases. e atom contains electrons.		
3. Structural adaptation. Write the symbols of the form 1. Sodium. Ouestion Choose the correct answer 1. As an object is launched as its speed decreases. c. its kinetic energy increases. 2. The 3 rd energy level in the	2. Gold. 3. Iron. b, its speed increases. ases. d its potential energy decreases. e atom contains electrons. 8 c. 8 d. 32		

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعاصر الصف الاول الاعدادي والتعليمي التعاصر

1	e William	
	3	/

4. The colour property	is a distinguishing	factor between
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a, flour and table salt.

- b. iron and gold.
- c. oxygen and carbon dioxide.
- d, no correct answer.
- 5. Particles which are negatively charged and negligible mass are
 - a, protons,
- b. neutrons.
- c. electrons.
- d. photons.
- 6. Electric energy is converted into kinetic energy in
 - a, electric lamp.
- b. cellular phone.
- electric fan.
- d. battery.

- 7. Insects have of jointed legs.
 - a. 3 pairs
- b. 4 pairs
- c. 2 pairs
- d. 44 pairs

(B) Choose a phrase from column (A), what suits it in column (B):

(A)	(B)
1. Total number of protons and neutrons is	a. are examples of small terrestrial plants.
2. Substances are good electric and heat conductors such as	b. example of animal that undergo aestivation.
3. Vougheir and adiantum	c. iron and aluminium.
4. Jerboa is	d. mass number.

Compare between solid, liquid and gas regarding to: Attraction forces.

Question

Complete each of the following:

- 1. Alloy of used in making jewels.
- 2. The density is the of unit volume of a substance, its unit is
- 3. The liquid element its molecule composed of one atom is _____, while that composed of two atoms is
- 4. The electrons revolve around the nucleus in orbits known as
- 5. Electric cables are made up of or ...
- 6. Animals with external support such as and
- 7. Paddles of whales and dolphins are for

B Give reasons for :

- 1. The atom is electrically neutral.
- 2. The camel pad ends in a thick flat.
- The inert gases do not react chemically with other element.
- (C) Write the electronic configuration of the following atoms and indicate the number of electron in the outermost level and the number of neutrons.
 - 1. 27Al
- 2. 35CI

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداوله على مواقع الصف الاول الاعدادي مواقع الصف الاول الاعدادي مواقع المعاددي الم

Question

Write the scientific term:

- 1. Is a group of similar living organisms in shape that can reproduce to give birth of new fertile individuals.
- 2. Is the smallest individual unit of matter which can share in chemical reactions.
- 3. The ability of some living organisms to be hidden from their enemies or to capture the preys in the predatory species.
- 4. Energy stored in an object due to work done on it.
- 5. Molecule is composed of three atoms: 2 hydrogen and 1 oxygen.
- 6. It is the temperature at which a substance changes from a liquid state into geseous state.
- 7. Energy is neither created nor destroyed, but it can be transformed into another form.

B Calculated:

- 1. The density of an object if: mass = 500 gm and volume = 200 cm³.
- 2. A ball was launched upwards at a speed 5 m/s up to height 6 m. Calculate the mechanical energy of the ball if its weight is 40 N and has a mass 5 kg.

The migration is a type of adaptation for the some birds:

- 1. Why some species of birds are adapted to the migration?
- 2. What is the type of this adaptation?

Giza Governorate

Talace Islamic Language School

Answer the following questions:

Question

A Choose the correct answer:

- 1. is from rodents that undergo aestivation.
 - a. Rat
- b. Squirrle
- c. Jerboa
- d. Desert snail
- 2. The colour property is a distinguishing factor between
 - a, table salt and flour.

b. iron and gold.

c. oxygen and nitrogen.

- d, oxygen and carbon dioxide.
- 3. An object potential energy is zero, when the object is at the
 - a, maximum height.

- b. Earth's surface.
- c. when mass object increases.
- d. when the object speed increases.
- 4. insect exactly looks like the plant branches.
 - a. Stick
- b. Beetle
- c. Leaf
- d. Locust

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع الصف الاول الاعدادي المكون الكياب المكون الاعدادي المكون المكون المكون الاعدادي المكون المكون المكون المكون المكون الاعدادي المكون المكون المكون المكون المكون المكون الاعدادي المكون ا





(B) Give reason for the following:

- 1. It is favorable to produce electricity from solar energy than fuel burning.
- 2. Water is not used to extinguish petrol fires.
- 3. The atom is electrically neutral.
- 4. The front limbs in the dolphin are different from the bat's ones although they are structured with similar bones.
- **©** Compare between bean plant and corn plant.

Question

2

A Complete the following statements:

- 1. Equal masses of different substances have different and
- 2..... is the basic unit of classification in living organisms.
- 3.... energy is changed into electric energy in the battery.
- 4. ... take the shape of the container but have definite shape.
- (B) Write the electronic configuration for the following elements:

 $\binom{27}{13}$ Al $-\frac{16}{8}$ O) then calculate the number of neutrons.

(B) What is meant by quantum?

Question

3

Write the scientific term:

- 1. The transfer of heat through solid objects from part to another.
- 2. The work done during motion of the body.
- 3. The spaces found among the molecules of a substance.
- 4. The ability of some living organisms to stimulate the dominant environmental conditions to be hidden from their enemies or even to capture the preys.
- The smallest particle of the matter can exist freely and has the properties of its substances.

B What is meant by melting point?

Find the weight of an object of potential energy 88 joules, when found at height 11 metre.

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

Question

- Correct the underlined words:
 - 1. Distance among solids molecules is very large.
 - 2. The substances that can conduct heat and electricity are wood and plastic.
 - 3. The coal is a permanent source of energy.
 - 4. Camphor tree is an example of insectivorous plant.
- B Choose the odd words out then mention the relation between the rest:
 - 1. Mosquito Spider Cockroach Ant.
 - Snake Jellyfish Shark Frog.
 - 3.6C 10Ne 0F 7N
- What is meant by the density of aluminium is 2.7 gm/cm³?

Giza Governorate

Pyramids Language School

Answer the following questions:

Question

22+2



- Nrite the scientific term:
 - 1. The mass of unit volume of matter.
 - 2. The sum of the protons and neutrons in the nucleus of an atom.
 - 3. The sum of the potential and kinetic energies of the body.
 - 4. Energy is neither created nor destroyed, but it is converted from one form to another.
- B Mention one use for:
 - Copper-gold alloy.

2. Simple cell.

Problem :

The mass of an empty beaker = 75 gm where the mass of the beaker filled with liquid = 153 gm while the volume of the liquid = 100 cm³. Find the density of the liquid.

Question

- Complete the following:
 - 1. The molecule of water consists of two atoms and one atom.
 - 2. From very active metals and

 - 4. From the animals that have soft body and

السعاصر هلوم لغات (Notebook) / ۱ع/تيرم ۱ (م: ۱۷)

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداوله على مواقع أخرى الصف الاول الاعدادي مصحوفي التعليمي التعليم الم

Giza Governorate

Science Inspectorate

Answer the following questions:

Question



- A) Write the scientific term:
 - 1. Energy stored in the object due to work done on it.
 - 2. It is the temperature at which matter begins to change from solid state to liquid state.
 - 3. The ability of some living organisms to hidden from their enemies.
 - 4. A way of heat transfer through solids.
- B Write the symbols of the following elements:
 - 1. Calcium.
- 2. Silver.
- 3. Zinc.
- 4. Potassium.
- What's the density of copper if the mass of a piece of it is 44 gm and it occupies a space of 4 cm³

Question



- A) Give reasons for :
 - 1. The atom is electrically neutral.
- 2. Cooking pots have handles made up of wood.
- 3. Spider is not from insects.
- 4. The bike tire gets hot once you press the brakes.
- Mention the energy transformation in each of the following:
 - 1. Electric heater.

- 2. Simple pendulum.
- Write the electric configuration of the following:
 - 1. 24Mg

2. 40 Ca

Question



- Calculate the kinetic energy of an object it's mass (12 kg) when it moves at a speed 20 m/s.
- Complete the following:
 - 1. Measuring unit of volume is and that of mass is
 - 2. The charge of protons is, while that of electrons is ...
 - 3. Weight = × ... × ...
 - 4. is an example for plants that reproduce by spores.
- What happens when 🚚 ?
 - 1. Metallic spare parts of cars are not covered with grease.
 - 2. Open a bottle of perfume for a period of time.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أ الصف الاول الاعدادي (مركيطكيريكيونكيوني) حكتاب

Question	Z
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Write the scientific term:

- 1. A group of living organisms mostly similar to each other in their shape and produce new fertile members.
- 2. Imaginary places in which electrons can move according to their energies.
- 3. The simplest form of matter which can not be decomposed into simpler one.
- 4. It is the main source for the most energy resources on the Earth.
- 5. The pollution produced from the webs of wireless transmitters of cellular phones.
- 6. Plants that can't be distinguished into roots, stems and leaves.

B Give reasons for each of the following:

- 1. The freezer is found at the top of the fridge.
- 2. The fuel inside the car is similar to the food inside the body of the living organism.
- 3. The atom is electrically neutral.
- When a piece of iron mass 78 gm is put in a graduated cylinder containing 100 cm³ of water, the water increases up to 110 cm³. Calculate the iron density.

Question	3	3

- ♠ Put (✓) or (x) in the front of each sentences and correct the wrong ones:
 - 1. The attraction forces among molecules of solids are very weak. 2. Sloth and armadillo are edentates mammals.
 - 3. In solar cells the solar energy is converted into heat energy.
 - 4. Spiders are arthropods that have three pairs of jointed legs.
- B Complete the following table by suitable completion:

Device	Type of energy resource		
1. Solar heater :			
2. Electric water heater:			
3. Gas stove :			

- Write down the electric configuration of the following atoms:
 - $1._{16}^{32}$ S

 $2._{10}^{20}N$

3. A myriapod animal.

What is the mathematical relationship that binds between each of the following:

1. Weight of an object and its mass.

Mechanical energy of an object and its potential energy.

3. Potential energy, weight and height.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخر الصف الاول الاعدادي (مركي الكيريكي التعليمي) حكت اب

Alexandria Governorate

Middle Educational Zone

Answer the following questions:

Question

Complete the following statements:

- I. The mass of the atom is concentrated in the
- 2. The protons have charges.
- 3. Heat transfers from the Sun to the Earth by
- 4. From the examples of huge trees is
- 5. The gymnosperms plants as pine produces seeds inside
- 6. Arachnids have pairs of jointed legs.

B Mention one example for:

- 2. An amphibian undergoes hibernation. 1. A permanent source of energy.
- 4. Camouflage in insects. 3. Lagomorphs.

Compare between the following:

- 1. Mercury and bromine concerning the molecule structure.
- 2. The car engine and the car cassette concerning the energy produced.

Question

Correct the underlined words:

- 1. Liquids have a fixed shape.
- 2. The relation (2n2) is not applied to energy level higher than 5th level.
- 3. In solar cell the solar energy is changed into magnetic one.
- 4. In simple cell the positive pole is a rode of zinc.
- 5. Secreting poison in snakes is considered as a behavioural adaptation.
- 6. Insectivorous plants catch and pounce insects to get starch

B Cross out the odd word, then mention the common property between the rest:

1. Butter - Ice - Iron - Wax.

2. Armadillo - Lion - Tiger - Wolf.

Give reasons for the following:

- 1. Electrician use a screwdriver made up of steel iron with woody handle.
- 2. Heater is placed on the ground, while the air conditioner is put at high position in the room.
- 3. The shallow water birds have long and thin beaks

B	What	hannons	in t	he	following	20263	and	why		2
U	AAALCIT	Highberry	111.5	311,	intowallia	(92E)	alla	willy .	404	3

- 1. If water is used to put out the petrol fires.
- 2. If you put a drop of potassium permanganate in a jar containing water.
- 3. Rubbing your hands together.
- A racing bike moves with a speed of 20 m/s. Calculate its kinetic energy knowing that the mass of the bike is 8 kg.

Alexandria Governorate

El-Agamy Educational Zone

Answer the following questions:

Question



Choose the correct answer:

- 1. The amount of energy gained or lost by the electron is called
 - a joule.
- b. quantum.
- c. neutron.
- d. proton.

- 2. reproduces by spores.
 - a. Vougheir
- b. Pine
- c. Bean
- d. Wheat
- 3. The fourth energy level is saturated by electrons.
 - a. 32
- b. 18
- c. 8

d. 2

- 4. When air heats up its density
 - a. still constant.
- b. increases.
- c. decreases.
- d. (b) and (c).

B Write the electronic configuration for :

- 1. 24 Mg
- 3. 40Ar

Question

Put (✓) or (x) in the following statements:

1. The positive pole in a simple cell is lead.

2. Heat transferred through solids by conduction.

Jewels are made up of copper-gold alloy.

4. All inert gases are monoatomic.

5. Mass number is the sum of protons and electrons numbers.

🕒 What happens when ... ?

- 1. Coil the wire of a simple cell around a compass.
- 2. Putting of a drop of ink in water.

المعاصر علوم لعات (Notebook) / ٢٤/ ثيرم ١ (م: ١٨)

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصنف الاول الاعدادي مصحوص التعليمي المعاددي المحصوص العمل المعاددي المحصوص العمل المعاددي المحصوص العمل المحصوص العمل المحصوص العمل المحصوص العمل المحصوص العمل المحصوص العمل المحصوص ا

4. Metallic bridges ar	e painted from time	to time to protect them from
5. When an electron t	ransfers from an ene	rgy level near the nucleus to a higher one, it
a quantui	m of energy and the a	atom becomes atom.
6. The molecule of hy	ydrogen chloride con	sists of one atom of, and one atom
of		
		e of iron of mass 78 gm, the piece is immersed
in 100 cm ³ of water,	then water rises up	to 110 cm ³ Calculate the density of iron.
Question 2		
Write the scientific t	erm :	
1. Plants that can't be	distinguished into re	oots, stems and leaves.
2. Energy neither be	created nor destroyed	i.
3. The type of adapta	tion when birds migr	ate from one place to another.
4. The sum of the nur	mbers of protons and	neutrons inside the nucleus of the atom.
What are the differe	nces between ?	
1. Hydrogen and heli	um.	
2. Bat and whale (Ac	cording to the adapta	ation of the front limbs).
Write down the elec	tronic configuration	and the type of the following elements :
1.7Li	2. ²⁰ Ne	und the type of the following cicinents.
	w. 10 ¹ 10	
Question 3		
Choose the correct a	nswer:	
1. In car engine the c	hemical energy is cha	anged into energy.
a. magnetic	b. electric	c. mechanical
2. The electron is	charged partic	le.
a. positively	 b. negatively 	c. neutrally
3. The number of pair	rs of scorpion legs is	
a. 4	b. 3	c. 44
An object of weight	6 newtons, moved to	a height 5 m, its potential energy is joules.
a. 30	b. 75	c. 11
Give reasons for :		
1. Some birds have lo	ong thin beaks and lo	ng thin legs.
2. Wood floats on the	surface of water.	
3. Cooking pots are r	nade of aluminium, v	while their handles are made of wood.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخر الصف الاول الاعدادي صكي التكريبي التعليمي العامدادي المتعامد الا

Choose the correct answ	Ner;
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- 1. An object potential energy is zero when the object
 - a. is at the maximum height. b. is at the Earth's surface. c. mass increases.
- 2. Heat transfers by convection occurs through
 - a. liquids only. b. gases only. c. liquids and gases.
- 3. ... is an example for micro-organisms.
 - b. Sloth c. Snail a. Amoeba
- 4. Spider has pairs of jointed legs. b. three c. four a. two

Question

Write the scientific term for the following:

- 1. The smallest part of matter that can exist freely having the properties of matter.
- 2. The transfer of heat from hot object to another without any need for a material medium through which heat transfers.
- 3. The ability of some living organisms to simulate the dominant environmental conditions to be hidden from their enemies.
- 4. The sum of potential and kinetic energies.
- 5. A group of similar living organisms in shape that can reproduce to give birth of new fertile individuals.
- 6. Energy is neither created nor destroyed but it can be transformed into another form.

Write the symbols for the following elements:

- 3. Calcium. 1. Aluminium. 2. Bromine. 4. Flourine. Oxygen.
- Calculate the density of a piece of copper, if you know that its mass equals 60 gm, and its volume equals 10 cm?

Question

What happens when ... ?

- 1. Leaving a piece of iron exposed to moist air for a period of time. And why?
- 2. Dipping a copper rod and a zinc rod connected by a wire in diluted sulphuric acid.
- 3. Increasing the speed of a moving object to double. And why?

B Complete the following sentences:

- 2. Jerboa undergoes to overcome the in temperature.
- 3. In the car dynamo energy is changed into energy.

ں بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواق

B What is meant by ?			
1. The kinetic energy of an object = 20 joules.	2. Camouflage.		
3. Melting point of ice = 0°C	4. Density of metal = 7.8 gm/cm ³ .		
C Write the electronic configuration of :			
1. 16O	2. 23 Na		
Then find:			
a. Number of neutrons.	b. number of energy levels.		
Question 2			
⚠ Complete the following :			
1. The liquid element whose molecule composed element which its molecule composed of two a		qui	d
An alloy of is used in making jewe heating coils.	ls, but alloy is used in makin	ıg	
3. In the simple cell, energy changes	into energy.		
4. The number of jerboa's upper jaw incisors ed rabbit's upper jaw incisors equals	quals and the number of the		
5. The symbol of potassium atom is,	while the symbol of silver atom is	ı.	-
6 is from very active metals but	is from inactive metals.		
B Give reasons for :			
1. Freezer is found at the top of the fridge.			
2. Some plants pounce insects.			
3. The electrons are distributed to fill the (K) le	vel before filling the (L) level.		
4. Frog hibernates in winter.			
Find the potential energy of an object, whose in from the ground. (acceleration of gravity = 10)		10	m
Question 3			
A Put (✓) or (寒) and correct the wrong ones :			
1. Electron transfers from (N) energy level to (I	K) by gaining quantum.	()
2. Euglena from multicellular living organisms		()
3. The transfer of heat through copper is by cor	duction.	()
4. Angiosperms are called flowering plants.		()
When the ball of pendulum goes away from increases.	its original position, its kinetic energy	()
6. At mid height divide (K.E.) over (P.E.) of ob	eject = 1	()
			1

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعاصر المست الاول الاعدادي المعاصر

B What will happen if ...?

- 1. The legs of camel do not end with thick flat pads.
- 2. The mass number equals the atomic number in the nucleus of an atom of an element.
- 3. You add 100 cm³ of ethyl alcohol to 400 cm³ of water.
- 4. Overuse of chemical pesticides.

@ Mention the formula by which you can:

- 1. Calculate the number of electrons that saturates each energy level from one to four.
- 2. Show relation between mechanical energy, kinetic energy and potential energy.

Question

4

Choose the correct answer:

- 1. Nucleus of atom is charged.
 - a. positively
- b. negatively
- c. neutrally
- d. all are right
- 2. belongs to animals that have no body support.
 - a. Mussel
- b. Hedgehog
- c. Octopus
- d. Snake
- 3. In the solar cell, the solar energy is directly converted into energy.
 - a. kinetic
- b. light
- c. electric
- d. heat
- 4. Distance among molecules are very small in
 - a. water.
- b. copper.
- c. hydrogen.
- d. oil.

- 5. Birds migration represents adaptation.
 - a. anatomical
- b. functional
- c. structural
- d. behavioural
- 6. By increasing the height to double and decreasing the mass of an object to half the potential energy will
 - a. increase to double. b. decrease to half.
- c. not change.
- d. increase four times.

(B) Choose the odd word out, then write the scientific term for the other words:

- 1. Iron Copper Aluminium Wood.
- Dieonea Drosera Amoeba Halophila.
- 3. Whale Bat Dolphin Sea lion.
- 4. Spiders Locusts Flies Cockroaches.

C Give the difference between:

- 1. Solid material and gaseous material
 - (Concerning: intermolecular space, intermolecular force).
- 2. Electric heater and solar heater
 - (Concerning: effect on the environment and kind of energy resource).

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

El-Dakahlia Governorate

Educational Directorate Science Inspectorate

Answer the following questions:

Question

Choose the correct answer:

I. The measuring unit of dens	sity is
-------------------------------	---------

a. m/s.

b. gm/cm³

c. kg/s.

2. is from the compound molecules.

a. Cl

b. H,O

c. Fe

3. is from the inert gases.

a. He

b. Al

c. Cl

4. The number of electrons that saturates the level (K) is

a. 8

b. 2

c. 32

5. Resource of permanent energy is

a. petrol.

b. the Sun.

c. coal.

6. Dynamo converts mechanical energy into energy.

a. electric

b. nuclear

c. solar

7. haven't a body support.

a. Snails

b. Dogs

c. Jellyfishes

B Fill in the following table after coping it in your answer sheet:

By knowing that (Mass number = Number of protons + Number of neutrons).

	Atomic number	Mass number	Number of protons	Number of neutrons
Hydrogen	1	1	***************	4
Calcium	20		1154-4- 4-4	20
Carbon		12		6
Chlorine	****	35	17	4-4411-4-4-411-

Mention the formula (law) by which you can determine:.

- 1. The number of electrons in each energy level.
- 2. The work done.
- 3. The weight of an object.

المعاصر علوم لغات (Notebook) / 1 ع / تيرم 1 (م: 19)

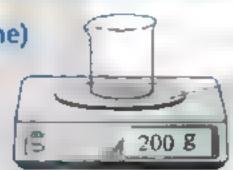
هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخ الصف الاول الاعدادي مع هواكس المساوي

Question

- \triangle Put (\checkmark) or (\varkappa) with correcting the false ones :
 - 1. Water is used to put out petrol fires.
 - 2. Mass number is the number of neutrons in the nucleus.
 - Wood and copper are bad conductors of electricity.
 - Chemical energy can be stored in stretched spring. 5. Fuel in a car as food for a man.
 - 6. The measuring unit of potential energy is the joule.
 - The hydrogen molecule consists of two hydrogen atoms.
- The diagram shows an experiment to find the density of a liquid

By using the formula (Density = Mass/Volume)

Calculate the density of the liquid.





Give reasons for :

- 1. The atom is electrically neutral.
- 2. The mass of the atom is concentrated in its nucleus.
- 3. Freezer is found at the top of the fridge.
- 4. Cooking pots are made up of aluminium.

Question

Write the scientific term:

- 1. The number of positive protons in the nucleus.
- 2. The ability to do work, or to make a change.
- 3. The simplest pure form of matter which can't be analyzed simpler.
- 4. The matter which doesn't take the shape of the container.
- 5. Amount of energy which an electron loses or gains to transfer from an energy level into another one.
- Temperature at which solid state begins to change into liquid one.
- 7. A modification in behaviour, structure or biological function of living organisms to become more adapted with the environmental conditions.
- Write the electronic configuration of the following atoms: ${}^{39}_{19}$ K ${}^{7}_{3}$ Li ${}^{19}_{9}$ F ${}^{40}_{18}$ Ar

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصف الاول الاعدادي مواقع أخرى

Fill in the following table after copying it in your answer sheet:

(Heat energy - Wind - Food - Sound energy- Electric energy - The Sun).

Energy forms	Energy resources
,	***** ***
1/11*** 1****//***	

Question

A Problem:

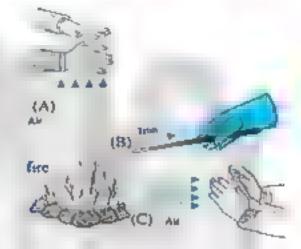
A ball was launched upwards and vertically at a speed 3 m/s up to a height 4m. Calculate the mechanical energy of the ball if its weight is 5 newtons and has a mass 0.5 kg.

- B Write the name of each chemical symbol of the following:
 - 1. P
- 2. Ne

3. Si

C Study the figure, then mention:

Heat transfers through different media by: (conduction, convection and radiation). Mention the method of transferring heat in each area (A, B, and C).



- D State one difference between:
 - 1. Potassium and gold. (Concerning chemical activity)
 - 2. Insects and arachnids. (According to the number of legs)
 - 3. Solid and gas. (Concerning the intermolecular spaces)
 - 4. Hydrogen and Helium. (According to the number of atoms in its molecule)

Ismailia Governorate

Science Inspectorate

Answer the following questions:

Question

- A Complete the following statements:
 - 1. The liquid element which consists of one atom is called
 - 2. An example for a very active metal is
 - 3. Friction turns kinetic energy into energy.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخر الصف الاول الاعدادي صكي التكريبي التعليمي التعليمي

	ns in the $\binom{27}{13}$ Al) is			
a. 13	ъ. 27	c. 14	d. 40	
10. The transfer of h	eat with no need for	a medium is called		
a. convection.	b. radiation.	c. conduction.	d. no correct ans	wer.
How can the follow	ing be adapted to t	heir environment :		
1. Stick insect to hid				
2. Quail bird to over	come the decrease in	temperature.		
Calculate the weight	t of a body whose p	otential energy is 88 jo	ules and it is at a hei	ight
of 11 m.				
Question 3				
Write the scientific	term :			
1. Energy is neither c	reated nor destroyed	, but it can be changed	from one form to and	ther.
		simulate the dominant		
	ies or capture insects			
The amount of ene level to another.	ergy lost or gained w	hen an electron transfer	rs from one energy	
4. The result of comb weight ratios.	ination between two	or more different elem	ents with constant	
	which a substance s	tarts to change from th	e solid state to the	
liquid state.			o some state to the	
6. The smallest part of	of matter which can	xist alone and keep pro	operties.	
Give one example fo	r each of the follov	ving :		
1. Aestivation in anim	nals.			
2. A solid substance v	vhich is soft at room	temperature.		
3. Plants that can't be	distinguished into r	oots, stems and leaves.		
4. A bird whose beak	is wide indented in t	the two sides.		
Put (√) in front of ri	ight statement and	(x) in front of wrong	one :	
1. Heat is transferred		_		()
2. The intermolecular	forces are very stro	ng in gases.		()
3. In the car dynamo	, electric energy is cl	hanged into kinetic ener	rgy.	()
4. Bean plant is a dice	otyledon plant.			()
<u>، مواقع أخرى أخاكم</u>	6 4 to 4 1 1 to 2	A.A. 4 MA. A.	at 16 90 1 a	4 4

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع الصف الاول الاعدادي الصحورات الصف الاول الاعدادي الصحورات العدادي المحرورات العدادي العدادي المحرورات العدادي العدادي المحرورات العدادي المحرورات العدادي العدادي المحرورات العدادي العدادي المحرورات العدادي العدادي المحرورات العدادي ال

Question

- Write the scientific term for each of the following statements:
 - 1. The basic classification unit for living organisms.
 - 2. The amount of energy that gained or lost by the electron to transfer from an energy level to another.
 - 3. The temperature at which a solid substance starts to change into liquid.
 - 4. Energy is neither created nor destroyed, but it is converted from one form to another.
- B When a piece of copper of mass 156 gm is put in a graduated cylinder containing 100 cm³ of water, the reading of cylinder becomes 120 cm. Calculate the density of copper.
- Compare between:
 - 1. Solids and liquids. (According to attraction force)
 - 2. Bean and pine plants. (According to seeds)
 - 3. Heat energy and temperature. (Concerning: definition)

Question

- Write down the electronic configuration of the following elements:
 - 1. 11Na
- 2. 12Cl
- 3. 10Ne

- 🕒 What happens when ... ?
 - 1. Using water in putting out petrol fires.
 - 2. Camel exchanges its pad with a horse's hoof.
 - 3. Friction between a tire of a bicycle and a rough surface.
 - 4. An electron gains a quantum of energy.
- Put (\checkmark) in front of the correct statement and ($oldsymbol{st}$) in front the incorrect one , then correct the wrong ones:
 - 1. Aestivation is the behaviour that some animals do by hiding in burrows to avoid low temperature in winter.
 - 2. The mass number is the number of protons and electrons.
 - 3. Potential energy of an object decreases by increasing its height.
 - 4. The motion of gases is completely free.

Question

- Choose the correct answer :
 - 1. The following animals have no body support except
 - a. worms.
- b. octopus.
- c. jellyfish.
- d. fish.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصنف الاول الاعدادي مصحوص التعليمي المعاددي المحصوص العمل المعاددي المحصوص العمل المعاددي المحصوص العمل المعاددي المحصوص العمل المحصوص العمل المحصوص العمل المحصوص العمل المحصوص العمل المحصوص المحصوص

حكاتباب المعاصير

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الصف الأول الأعدادي

Question	2

-				
•	Cha.	والمرافق والمراجع		A
//h	runoc	ise ta	e correc	t answe

1. An object of 20 N weight is placed at 5 m height, it has potential energy

a. 50 J.

b. 100 J.

c. 150 J.

2. From animals with internal support:

a. octopus.

b. snails.

c. fish.

3. Positive charged particles in the nucleus of atom are

a. neutrons.

b, protons.

c. electrons.

4. Potassium is symbolized by

a.P

b. K

c. B

5. From gymnosperms plants:.. ...

a, wheat.

b. pine plant.

c. maize.

6. Density measuring unit

a. cm³

b. gm.

c. gm/cm³

7. In the solar batteries the solar energy is directly converted into energy.

a. light

b. sound

c. electric

8. Heat is transferred by radiation through

a. liquids only.

b. gases only.

c. material media and non-material ones.

(1) Write the electronic configuration of :

23Na

27AI

• Then determine each of the following:

1. Atomic number.

2. Mass number.

3. Number of neutrons.

(2) What is meant by the following ...?

Mechanical energy of an object is 100 joule.

Duestion

3

A Give reasons for:

I. Water is not used in extinguishing petrol fires.

2. Camel limbs ends in a flat thick pad.

3. It is difficult to bend iron rod.

4. Inert gases cannot share in chemical reaction in ordinary conditions.

5. The heater is placed on the ground.

البيمامير علوم لمات (Notebook) / ۱ غ / نيرم ۱ (م ۲۰۲)

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

حكتاب المعاصير

ويناس المناسبين

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخ

الصف الأول الأعدادي

2. The heat of th	e Sun is transferred to u	ıs by	
a. convection.		b. radiation.	
c. conduction		d. conduction an	d radiation.
3. The rule which levels is	h is used to find the elec	ctronic configuration fo	or the first four energy
$a. 2^2 n$	b. 2n ²	c. 2n	$d. n^2$
4. From gymnos	perms plants is	***	
a, wheat.	b. pine.	c. maize.	d. pea.
5. An object of π	nass 1 kg moves at speed	i 4 m/s., so it has a kine	tic energy = ···· joule.
a. 16	b. 8	c. 64	d.4
	number of an element e le atom of this element.		this means that there aren't
a. electrons	b. protons	c. neutrons	d. photons
1. When a zebra 2. The volume of before mixing 3. There are from 4. Balloons which Question Write the scient 1. It is the atom 2. The basic class 3. The simplest gas 4. It is the heat con	t teeth extending outward the filled with helium gas ific term for each of the which gains a quantum sification unit for living oure form of matter which	an't produce fertile indicated alcohol is less than the ordered in hedgehog. In the following is a feet that the organisms. In the can't be analyzed chances whether heat transfer	
Mention one us	e or importance for eac	ch of the following:	
1. Nickel-chrome	e alloy.	2. Solar celi.	
Palm legs in d	ucks.	4. Stainless steel	alloy.
Find the number of the following		of electrons and its ch	emical activity for each
1. 27 Al	2. 20 Ne		



Question

3

Complete the following statemetrs:

- t. .. solution is a good conductor of electricity, but solution is a bad conductor of electricity.
- 2. Simple cell converts energy into energy.
- 3. Spiders are classified from but is classified from myriapods.
- 4. Potassium 19K has electron/s in the outermost energy level, but 18Ar has electron/s in the outermost energy level.

What do you expect in each of the following cases ...?

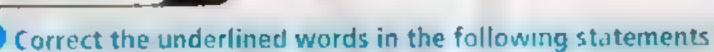
- 1. Predatory plants can't capture insects.
- 2. Increasing mass of an object. (Concerning its density)
- 3. Friction between bicycle wheels and a rough surface.

Study the opposite figure which represents *

The volume of water before and after put a stone on it.

Find the density of this stone if its mass = 80 gm?

Question 4



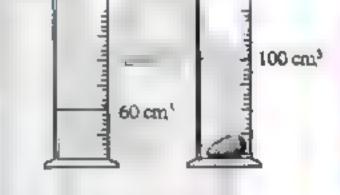
- 1. The atom mass is concentrated inside the electrons.
- 2. Measuring unit of weight is joule.
- 3. In rodents the incisors number in the lower jaw is three pairs.
- 4. Gold is from very active metals.

(B) Compare between:

- 1. Ammonia gas and hydrogen chloride (in terms of : no. of elements no. of atoms)
- 2. Hibernation and aestivation. (in terms of : definition example)

Two players play volley ball, If the mass of the ball is 1.5 kg and gravity is 10 m/s², Find:

- 1. Potential energy at position (1) that represents the maximum height, if the net at height = 2m.
- 2. Mechanical energy at position (2) that represents the ground.





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمي

El Minia Sovernorate

Minia Directorate Kafr El-Mansoura Language School

Answer the following questions:

Question



Complete the following sentences:

- I. and are teethless mammals.
- 2. Light posts in streets are painted from time to time to protect them from
- 3. An object of 20 N weight is placed at a height of 5 m, has potential energy equals ...
- 4. An alloy of is used in making jewels, while an alloy of is used in making heating coils.

Write the chemical symbols of :

- 1. Sliver.
- 2. Calcium.
- 3. Aluminium.
 - 4. Helium.

State one difference between:

1. A rabbit and a squirrel.

2. An element and a compound.

Question

Choose the correct answer:

- 1. The property of electric conduction is distinguishing factor between
 - a iron and copper. b wood and plastic. c iron and wood. d plastic and glass.
- 2. The scorpion belongs to
 - a. insect.
- b. myriapods.
- c. arachnids.
- d. mammals.

- 3. Heat transfers from heater by ..
 - a. conduction and radiation.
- b. radiation and convection.
- c. conduction and convection.
- d. radiation only.

B Give reasons for:

- 1. When adding an amount of water to alcohol the volume of mixture is less than the sum of their volumes before being mixed.
- 2. The equation (2n²) is not applied on levels higher than 4th level.
- 3. Wood floats on water surface, while a piece of Iron sinks.
- 4. The freezer is found at the top of the fridge.

Write the scientific configuration for :

1. 24Mg

2. 16O

خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أ الاول الاعدادي (مركي الكريكي التعليم)

خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع

Mention one example of each of the following:

- 1. Very active element.
- 2. Device converts electric energy into light energy and heat energy.
- 3. Liquid element its molecule consists of one atom.
- 4. Permanent source of energy.
- 5. Species of birds adapted by bird migration.
- 6. Mammals have paddles for swimming.

Compare between each of the following:

Rodents and lagomorphs. (According to number of teeth in the upper jaw - example).

Question

A Give reasons for:

- 1. It is very hard to fragmentize a piece of iron with your fingers.
- 2. The atom is electrically neutral.
- 3. Hedgehog has front teeth extending outwards.
- 4. Neon atom (10Ne) does not enter a chemical reaction through the ordinary conditions.

B Choose the correct answer:

- 1. The property of electric conduction is a distinguishing factor between:
 - a. iron and copper.

b. wood and plastic.

c. iron and wood.

- d. copper and aluminium.
- 2. As doubling height to which an object is raised from ground, so the
 - a. kinetic energy is increased to its double value.
 - b. potential energy is increased to 3 times.
 - c. potential energy is increased to its double value.
 - d. mechanical energy is increased to 4 times.
- 3. Energy is neither created nor destroyed, but it can be transformed into another form of energy, this law is known as law of.....
 - a. conservation of energy.

b. conservation of matter.

c. kinetic energy.

- d. Earth's gravity.
- 4. The scorpion belongs to
 - a. insects.
- b. myriapods.
- c. arachnids.
- d. mammals.
- 5. Mechanical energy is converted into heat energy by means of
 - a. electric generator.

b. electric heater.

c. friction among moving particles with each other.

d. electric motor.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع الصف الاول الاعدادي مواقع الصف الاول الاعدادي موسي المحمد العامل المعادي

- C A stone of 3 kg mass falls from 6 m height, what is its potential energy? And what is its kinetic energy? In each of the following:
 - 1. At the start of falling.
 - 2. At height 2 m.
 - 3. On reaching ground. (considering gravity acceleration = 10 m/sec²)
- Study the following atoms, then answer:

Points of comparison	35 17Cl	⁴ ₂ He
1. Number of electrons in outermost energy level of each atom.	*** *********	*************
2. Number of neutrons inside nucleus of each atom.	********* *****	12004410414011004
3. Number of energy levels which have electrons of each atom.	***************************************	***********

Luxor Governorate

Science Inspectorate

Answer the following questions:

Question

22+2



- A Choose the correct answer:
 - 1. is the monoatomic liquid molecule.
 - a. Bromine

b. Mercury

- c. Iodine
- 2. is an example of plants that reproduce by seeds.
 - a. Adjantum
- b. Vougheir
- c. Bean
- 3. By increasing the kinetic energy of particles, their increases.
 - a. weight

- b. temperature
- c. volume
- 4. The electric energy is converted into kinetic energy in
 - a. electric lamp.
- b. electric fan.
- c. electric heater.

- 5. bird migrates in winter.
 - a. Quail

b. Duck

c. Sparrow

- 🚯 What is meant by ... ?
 - 1. Micro-organisms.
 - Conservation law of energy.
- Write the symbol of each one of the following elements:
 - 1. Gold
- 2. Sodium
- 3. Oxygen

- 4. Carbon
- 5. Phosphorus

السعاصر علوم لغات (Notebook) / ۱ ع / تيرم ۱ (ح ۲۱)

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصف الاول الاعدادي مصحوفي التعليمي التعليمي العمامية المعالمة المعا

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى العاصوات

ويراع والمساوي

الصف الأول الأعدادي

Problems :

- 1. The density of alcohol is 0.8 gm/cm³. Find the volume of 80 gram of it.
- 2. Find the potential energy of an object, whose mass is 6000 gram when it is found at a height of 10 m from the ground. (gravity acceleration = 10 m/s^2).

Aswan Governorate

M.M. Yaakoub Formal Language School

Answer the following questions:

Question

A	Complete	the following	sentences
---	----------	---------------	-----------

- I. The hydrogen molecule consists of , while the helium molecule consists of
- 2. Friction turnsenergy into energy.
- 3. Heat transfers by convection in and
- 4. and are from plants that reproduce by spores.
- 5. The frog is an example for , while jerboa is an example for

B Calculate:

The kinetic energy of an object its mass is 2 kg and moving at a speed of 5 m/s.

Question

Choose the correct answer:

- 1. Silver is symbolized by
 - a. Hg

d. Cu

- 2. Attraction force between solid molecules is
 - a. large.
- b. small.
- c. very small.
- d. not found.
- 3. The number of energy levels in the heaviest atom is
 - a. 7

b. 8

- c. 18
- d. 32

- 4. Resource of permanent energy is
 - a. The Sun.
- b. Coal.
- c. Petrol.
- d. Nuclear reactions.

- 5. The cockroach belongs to
 - a, insects.
- b. myriapods.
- c. arachnids.
- d. mammals.

B Give reasons for:

- 1. Atom is electrically neutral.
- Some plants pounce insects.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخ الصف الاول الاعدادي صكي الكيكاكي التعليمي العام المستعاب الم

BART 3

Question

3

- Write the scientific term for each of the following:
 - 1. The temperature at which a matter changes from a liquid state into gaseous one.
 - 2. The smallest individual unit of matter which can share in a chemical reaction.
 - 3. Energy is neither created nor destroyed, but it is transformed into another form.
 - 4. A modification in behaviour, structure, biological function of a living organism's organs to be more adjustable with the environmental conditions where it lives.
 - 5. The ability of some living organisms to be hidden from their enemies or preys.
- B Mention the formula by which you can calculate:
 - 1. The density.

2. The number of electrons in each energy level.

Question

22+2



A Choose from (B) what suits it from (A):

(A)	(B)
1. Julius	a. Insect
2. Scorpion	b. Rodent
3. Sloth	c. Myriapod
4. Rat	d. Lagomorph
5. Rabbit	e. Arachnid
	f. A teethless mammal

- B Write the electronic configuration of the following atoms:
 - 1. 27AI

2. 40 Ar

26(50

South Sinai Governorate

Tur Sinai Directorate

Answer the following questions:

Question



- **A** Complete:

164

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

- 3. An alloy of is used in making jewels, while an alloy of is used in making cooking pots.
- 4. Hawks have beaks, while ducks have beaks.
- 5. Heat transfers through solids by while through non-material media by

Compare between :

- 1. Element and compound (According to definition only).
- Insects and arachnids (According to number of legs- examples).

C Study the opposite figure then:

- 1. Mention the name of the opposite device.
- 2, Label the figure.
- 3. Write the change of energy in this device.

Write one importance of:

1. The front teeth in hedgehog.

2. Helium gas.

Question

Choose the correct answer:

- 1. The number of atoms is equal to the number of elements in molecule.
 - a. water

- b. hydrogen chloride
- c. oxygen
- 2. Among elements which has a great difficulty to react with oxygen of air is
 - a. potassium.
- b. sodium.

- c. gold.
- 3. The activity of birds during the daylight and bats during night is considered as an example of adaptation.
 - a. functional
- b. anatomical
- c. behavioural
- 4. When an object is thrown upwards its
 - a. potential decreases.
- b. speed decreases.
- c. mechanical energy decreases,
- 5. In car dynamo the energy changes from
 - a. heat to mechanical,
- b. electric to heat.
- c. mechanical to electric.

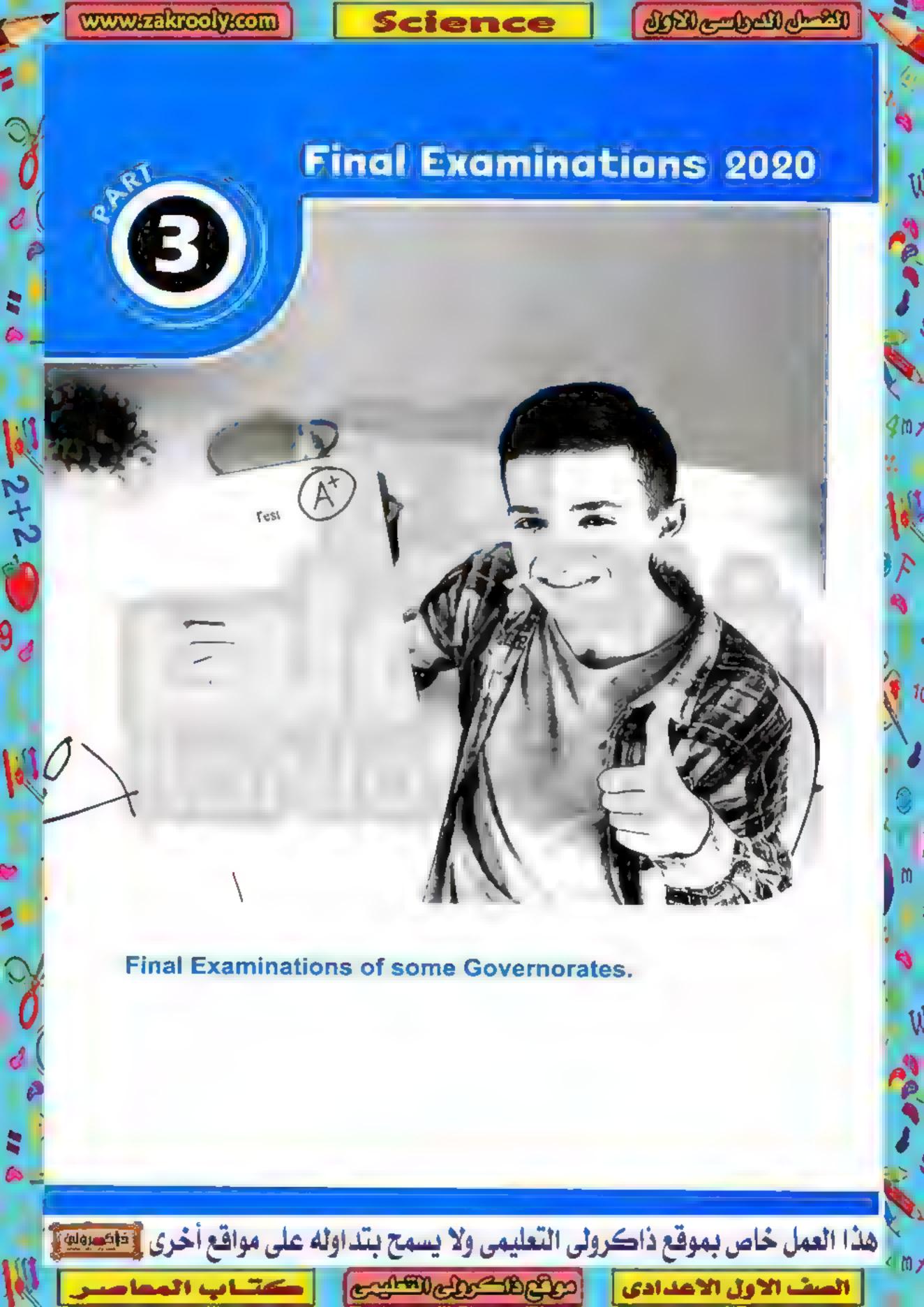
B Study the opposite figure which represents the nucleus of an element, then find:

- 1. The mass number.
- 2. The number of energy levels having electrons.
- 3. This element active or inactive? Give reason for your chosen.

C Write an example of:

- 1. Liquid element composed of two atoms.
- 2. An insectivorous plant.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الصف الاول الاعدادي مصحوف المحركي التعليمي العمامية المعالم المحركي المح



Cairo Governorate

Nozha Language Schools

Question

	Carried at a f		and and a second as a second as
GA .	I omblete i	he following	STRUMPTSTS
	Complete	P. LOHOHMAN	Sicher . All Acts
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- 1.....and are considered as forms of energy.
- 2. The oxygen molecule consists of two atoms, while the ammonia molecule consists of one and three hydrogen atoms.
- 4. Limbs are modified into wings in bats for, while into paddles in whales and dolphins for in water.
- #. The attraction force among the molecules of copper is than that between molecules of water.
- 5. Scorpion has pairs of legs, while ants have pairs of legs.
- The heat transfers by convection through and materials;

Cross the odd word out:

- 1. Aluminium Sulphun/Copper / Iron.
- 2. Jellyfish Armadillo / Earthworm Octupus
- 3. Helium Oxygen Neon Argon.

Question

Choose the correct answer:

- 1. The atom is electrically
 - a. positive.

b. neutral.

- c. negative.
- 2. are from animals that have an external support.
 - a. Mammals

b. Snails

- c. Birds
- 3. The produced energy by burning the fuel is energy.
 - a potential

b. nuclear

- c. heat
- 500 cm^3 .
 - a. less than

b, more than

- c. equals
- 5. Secretion of poison in the snakes is a adaptation.
 - a. structural

- b. functional
- c. behavioral

هذا العمل حصرى على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى https://www.zakrooly.com للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا

الصف الأول الأعدادي المكافك المحاصر

	www.einoiy.com Science Designation	*
	6. The number of electrons that saturates an energy level (n) =	
	a. n ² b. 2n . c. 2n ²	
Y	7. The electric cell is composed of solution with two different metals dipped in.	
)	a. a salt b. an alkali c. an acid	
((B Put (✓) or (★):	
2	1. As we go further from the nucleus, the energy of the energy level decreases. ()	ı
ì	2. The heat transfers from the lower temperature object to the higher temperature object. ()	ļ
ı	3. Mercury is a liquid element that its molecule composed of one atom. ()	,
	4. Chemical pesticides and car exhaust are from the harms of technology applications. ()	
	5. Scolopendra and euglena are from myriapods. ()	ļ
	Write the importance of each of the following:	
	1. Gold-copper alloy 2. Car dynamo.	
3	Question 5	
	Correct the underlined words:	
7	1. The symbol of copper is Ca while F is the symbol of phosphorous.	
3	2. Frogs undergo aestivation in winter to overcome the decreasing of temperature.	
	3. Boiling point is the temperature at which matter changes from solid into liquid state.	
	4. Friction changes the potential energy into electric energy.	
1	5. Wood is a good conductor of heat and electricity.	
1	6. The mechanical energy is the sum of heat energy and light energy.	
	7. The density equals mass divided area.	
ľ	Give reasons for:	
	1. Camel's legs end in a broad pad and thick skin.	
	2. Argon atom (18Ar) doesn't enter a chemical reaction through the ordinary conditions.	
3	Calculate the potential energy of an object of weight 50 newtons that placed at	
1	height 5 metres.	
0	Question	
	Wrîte the scientific term :	
	1. The smallest individual unit of matter which can share in chemical reaction.	
	هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى وأ فاركون أن أوارد المورد المورد)
1	الصف الأول الأعدادي (مركع المعاصر كتاب المعاصر	-

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www.zakrooly.com Science التحسيل التصاهب الكركال

- . It is a modification in the living organism body structure, function or behavior to be adapted with its environmental conditions.
 - 8. It is a permanent resource of energy.
- 4. An amount of energy that gained or lost to transfer an electron from one energy level to another.
 - 5. The way of transferring the heat through solids.
- The figure represents the electronic configuration of the atom of an elements Determine:
 - The atomic number.
 - . The mass number.
 - 3. The number of energy levels.
 - The number of electron in the last energy level.
- (B) Match from column (B) what is suitable for column (A):

(A)	, (B)
1. Chameleon	a. reproduce by formation of spores.
2. Voughair	b. colours itself with the dominant colours of
3. The jerboa	surrounding environment to capture the prey.
4. Drosera	c. from the insectivorous plants.
5. Rat	d. undergoes aestivation in summer to escape from high temperature.
,	e, is an example of rodents.

Cairo Governorate

Lycee Bob El Louk

Answer the following questions:

LESTION

- Complete the following statements:
 - 1. The matter in state has a definite shape and definite volume.
 - 27. Technology has negative effects like
 - 3. An alloy ofis used in making jewels.
 - ♠. In the simple electric cell, energy is converted into energy.

هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى https://www.zakrooly.com للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا

الصف الاول الاعدادي ص المحاصر

	www.fakroolykcom	Science	90000 6-mb-000 9						
	The pendulum can convert potential energy into energy.								
	Activity of bats during night is considered adaptation.								
Oy.	B Identify:								
0	1. Species. 2. Melting point.								
0	Question								
0	Correct the underlined words:								
2	Lif the density of a matter is 2 g/cm ³ and its volume is 50 cm ³ , the mass equals: 25 g.								
6	Heat is transferred through the space by conduction.								
	3. Water molecule is consisted of one oxygen atom and two nitrogen atoms.								
	4. Molecules of liquid element consisted of one atom is the bromine								
le.	5. Intercellular spaces among molecules of solid state are medium.								
2+	6. From plants reproduce by formation of spores palms plant.								
+	Give reasons for :								
à	1. Piece of iron sinks in water.								
	Camel's legs has flat pad.								
9,	Direction (E)								
Ĭ	Chance the correct angular to complete the following statements:								
	Choose the correct answer to complete the following statements: Rat has								
131	wa. two pairs of incisors in	each jaw. b. one	b. one pair of incisors in each jaw.						
Jak.	three pairs of incisors		d. no correct answer.						
	2. The Sun is								
(P)	resource of permanent	energy. b. res	b. resource of non-permanent energy."						
	e. not an energy resource	d. (a)	d. (a) and (c).						
~	. In the radio cassette inside the car the								
X	a: electric energy is converted into mechanical energy.								
U	b. light energy is converted into heat energy.								
0	c. electric energy is converted into kinetic energy.								
4	d. electric energy is converted into sound energy.								
2	4. Atom symbol of potassium element is								
۵ 🏂	a. Hg								
	هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى في التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى التعليمي في المريد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا https://www.zakrooly.com								
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- 5	www.zakroolykcom		Scien	Ce	التجميل التحميل التحويل				
	5. Some substances need heat to get soften such as								
	a. coal.	b. iror	1.	c. sulphur.	d. rubber.				
Y	A Secreting sweat by skin is considered adaptation.								
0	a. structural	b, fun	ctional	c. behavio	ral d. no correct answer				
	Write the electronic configuration of the following atoms :								
0	1. 11Na 2. 10Ne								
ì	Question								
-	Calculate the potential energy of an object its mass is 4 kg. is placed at 5 m. height								
	(consider $g = 10 \text{ m/s}^2$).								
(4	Mention only one difference between								
1	1. Element and compour	id. 2.	House fly and	seomion.	3. Electron and proton.				
	What happens in each of the following cases ?								
3	When the energy of the electron is more than the energy level in which the electron rotates.								
	The freezer is found at the lower part of the fridge.								
	Friction between the frames of bicycle's wheel with the brake.								
2			010,0100 0 11,1100						
	3 Cairo Gover	n i rate	Notes T	Des A	potres School Shoubra				
	Co Contraction	17 (1 T ve	Idoine C	Action to the	otres school shouble.				
1	Answer the following ques	tions :							
	Question : St								
ŀ	Complete the following sentences :								
	1. The hydrogen molecule consists of, while the argon molecule consists								
	of								
Y	2. The density is the of unit volume of substance and its measuring unit								
0	is								
	3								
2	4. When the speed of the pendulum is maximum the energy is maximum and energy is minimum.								
	5. Simple electric cell changes energy into energy.								
	6. The cockroach is from but scorpion is from								
		م بالارداد الارداد ال	. N. 1.75 (77	A	10 10 C 15 - 7				
	هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى والمعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى الموادد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا https://www.zakrooly.com								
1			مراج التجاب		الصف الأول الأعدادي				

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Science

B Calculate:

- 1. The potential energy of an object whose mass is 10 kg, and placed at 5 m, height from the ground (Considering gravity acceleration 10 m/s²).
- 2. Kinetic energy of an object whose mass is 1 kg. and moving at speed of 5 m/s.
- 3. The mass of piece of sulphur whose volume is 10 cm³ and its density is 2.1 gm/cm³.

Look at the opposite figure, then answer :

1. Find number of protons.

- 2. Find the mass number.
- 4. Find this element activity. 3. Find the atomic number.

Question

M Give reasons for each of the following:

- 1. Wood piece-floats on water surface, while a piece of lead sinks in it.
- 2. Equal volumes of different substances have different masses.
- 3. Camel's legs end with broad pad.
- 4. Some plants catch and feed on insects.
- 5. The freezer is found at the top of fridge.
- 6. The volume of a mixture of water with alcohol is less than sum of their volumes before being mixed together.

Mention one example for :

- 1. Solid substance has low melting point.
- 2. Insectivorous plants.
- 3. Unicellular organism.
- 4. Alloy used in making heating coils.

Write the symbols of the following element:

- 1. Mercury.
- 2. Sodium.
- 3. Lead.
- 4. Zinc.

Write electronic configuration for:

1. 19K

2. _oF

- 3. 13A1
- 4. ₁₀Ne

Question

Write the scientific term for:

- 1. The sum of potential and kinetic energies of a body.
- 2. The temperature at which matter begins to change from solid to liquid.



هذا العمل حصرى على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى https://www.zakrooly.com للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا

الصف الأول الأعدادي ص المحاصر

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الصف الأول الأعدادي مركو الكالم التعدادي

www.zakrooly.com Science المرسال الكامليسي الكاوال 3. The ability to do work or to make a change. 4. Energy is neither created nor destroyed, but it is converted from one form to another. 5. The ability of some living organisms to be hidden from their enemies. **B** Compare between: 1. Arachnids and insects. (according to the number of legs). 2. Solids - Liquids and gases. (according to intermolecular space and intermolecular force). Calculate the density of iron cube its mass 78 gm. If that piece was immersed in 100 cm³ of water the level of water rises to 110 cm³. Question A Choose the correct answer: 1. Mammal animal that has one pair of incisors in each jaw d. no correct answer. c. lion. a. squirrel. b. rabbit. 2. The nucleus of atom doesn't contain neutrons. d. no correct answer b. hydrogen c. oxygen a. neon 3. The atomic number of an atom of an element, its (M) energy level contains 2 electrons is d. 14 c. 12 b. 10 a. 8 4. Heat transfers by through liquid and gas. d. no correct answer c. radiation a. conduction b. convection 5. The density of 12 gm. of pure iron is the density of 2 gm. of iron. d. no correct answer c. less than b. equal to a. more than Write the electronic configuration for the following: 3. 40Ar 1.39K 2. 35CI C A force of 20 newton acts on a body to move it a distance 1.5 m. in the same direction of force. Calculate the work done. Question A Give an example for : Monocotyledon plant. 2. Insectivorous plant. 1. An inert gas. Mention the name of the device which used to change : 1. Chemical energy to electric energy. Electric energy to kinetic energy. هذا العمل حصرى على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى https://www.zakrooly.com للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا الصف الأول الأعدادي (مركم الكراج التعامد كتاب المعامد

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والكري المساح التراق

- B Give reasons for :
 - 1. A piece of wood floats on the water surface, while an iron nail sinks in water.
 - Some plants as drosera and dieonea pounce insects.
 - The atom is electrically neutral.
- Calculate the potential energy of an object its mass is 2 kg. at a height 3 m. knowing that the gravity acceleration is 10 m/s^2 .

- Write the scientific term:
 - 1. The work done during the motion of the objects.
 - 2. The insect which looks like the branches of the plant.
 - 3. The smallest part of matter that can exist freely having the properties of matter.
 - 4. The basic classification unit for living organisms.
- B Mention the use of:
 - 1. The copper-gold alloy.
 - The sharp and crooked beaks in hawks.
 - 3. The simple electric cell.
- Draw the electronic configuration of the following atoms:
 - 1. 35Cl

2. 27 Ne

- Correct the underlined words:
 - 1. The molecules of inert gases consist of two atoms.
 - Friction turns the mechanical energy into magnetic energy.
 - Iron and copper are bad conductors of heat.
 - 4. The rat belongs to the lagomorphs.
 - The kinetic energy decreases by increasing the mass and speed of objects.
 - 6. The chemical symbol of silver is Si.
- Mention an example for :
 - 1. A plant reproduces by formation of spores.
 - The liquid element consists of two atoms.
 - 3. A teethless mammal.
 - 4. A solution that is good conductor of electricity.

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www.zakrooly.com Science المرسل الكواليسي الكوال Compare between: 1. Insects and arachnids (according to the number of legs). Solids and gases (according to the intermolecular spaces). Dr. Ahmed Zewail Cairo Governorate Distinguished Language School Answer the following questions: Question Complete the following statements: 1. is the positive charges that exists in the nucleus. 2. The intermolecular spaces between iron molecules are 3. is the way of transferring heat through space.

4. is an animal from edentates.

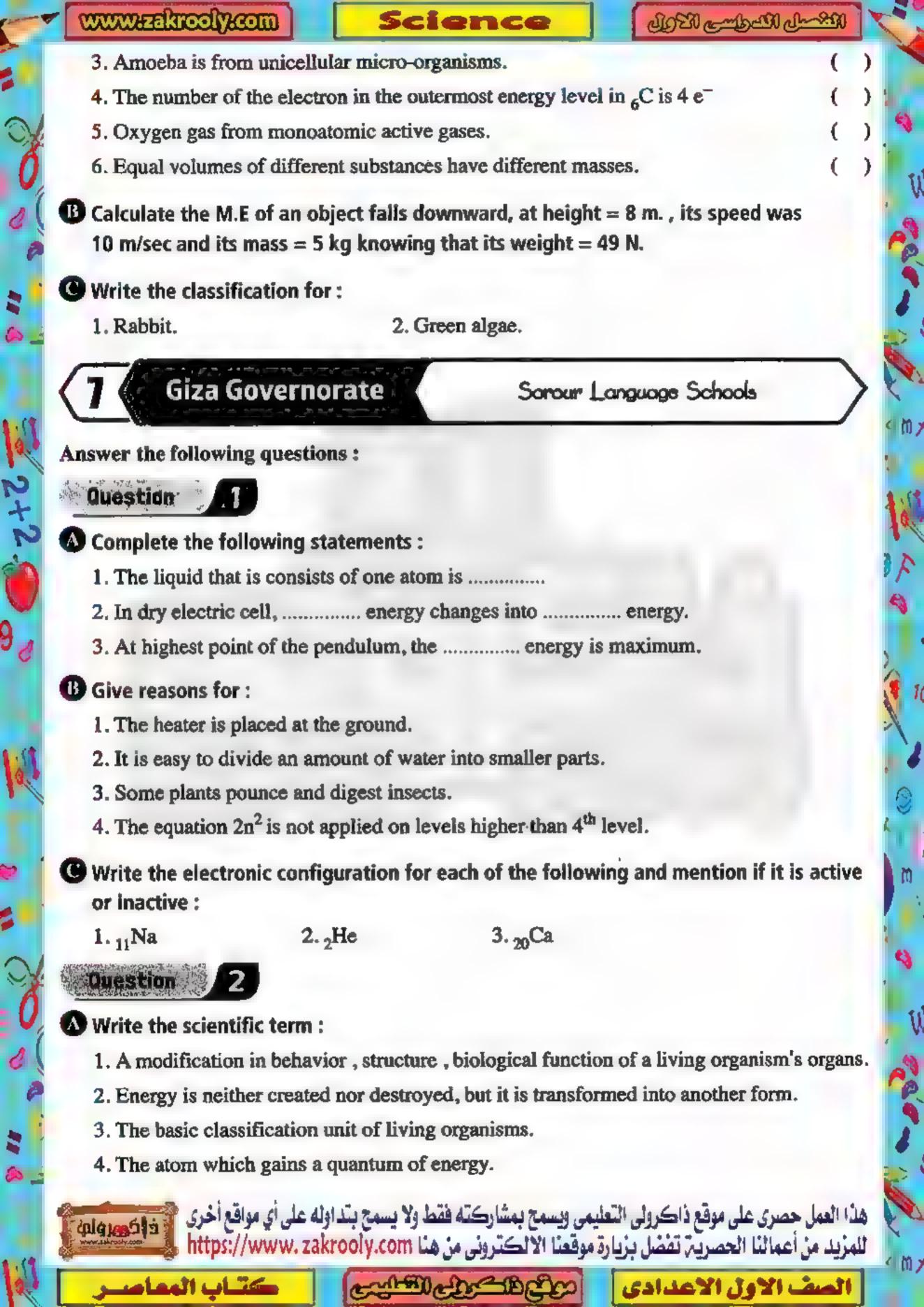
5. is the sum of protons and neutrons. 6. is the sum of potential and kinetic energy.

- (III) Calculate the mass of piece of sulpher, its volume 5 cm³, knowing that the density of sulpher 2.1 gm/cm³.
- Write the symbol of:
 - 1. Sodium.
- 2. Calcium.
- 3. Iron.
- 4. Fluorine.

- Write the scientific term:
 - 1. The temperature at which the substance begin to change from solid to liquid.
 - 2. The monoatomic liquid.
 - 3. The atom that gains a quantum of energy.
 - A device changes solar energy to electric energy.
 - 5. The basic classification unit of living organisms.
 - 6. The plants which devour insects to get protein.
- **B** Give reasons for :
 - 1. The atom is electrically neutral.
 - 2. Neon is an inert gas.

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الصف الأول الأعدادي وكالك الكالك الأعدادي



العبف الأول الأعدادي والم المالي الما

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Answer the following questions:

Question

- Complete the following statements:
 - 1. In solar cell, energy changes into energy.
 - 2. The monoatomic liquid is, while is diatomic liquid.
 - 3. Heat transfers through solids by, while through liquids by
 - 4. The front limbs of whale are modified into to helps it to
- Give an example for :
 - 1. Very active metal.
 - 2. Dicotyledon plant.
 - 3. A device changes electric energy to heat energy.
 - 4. A solid substance which is soft at room temperature.
- An object whose mass is 2 kg. moving at a speed 5 m/sec. Calculate its kinetic energy.

Question

- Write the scientific term:
 - 1. The basic classification unit of the living organisms.
 - 2. The sum of potential energy and kinetic energy.
 - 3. The spaces between molecules.
 - 4. The smallest building unit of matter which can exist freely.
 - 5. Energy is neither created nor destroyed but it is converted from one from to another.
 - 6. The ability of some living organisms to hide from their enemies.
- Write the electronic configuration and calculate the number of neutrons of :
 - 1.35Cl

- 2. 20Ne
- 3. 16O
- Mention one difference between:
 - The electron and the proton.
 - Insects and arachnids.



الصف الأول الأعدادي المعاصد

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	3. Heat transfers by through material media and non-material media.						
	4. In photosynthesis process, energy is changed into energy.						
V	5. Electrons revolve around the in orbits known as						
What happens when ?							
1	1. A compass is put near to a wire of simple electric cell.						
	2. Increasing the speed of moving object to double and why?						
	Question 2						
	Write the scientific term	ces :					
Ť	1. The sum of potential ar	1. The sum of potential and kinetic energies.					
	2. The number of positive	protons in the	nucleus.				
•	3. Temperature at which s	olid state begin	s to change into liq	uid one.	4		
	4. The simplest pure form	of matter which	h can't be analyzed	l to simpler.			
	(B) What is meant by each	. ?			Ì		
	1. Hibernation.		2. Law of cor	servation of energy.	1		
	Compare between each	of the followin	a :		3		
	Compare between each of the following: Ammonia gas and hydrogen chloride (according to : number of elements and number of atoms). 						
	2. Solid and gas (according to intermolecular spaces and forces).						
3	Question .3						
	A Give reasons for each of the following:						
	1. The atom is electrically neutral.						
1	2. The shallow water birds have long and thin beaks.						
	3. Wood floats on water surface, while a piece of iron sinks in it.						
	4. Some plants are insectivorous plants.						
ı	5. Electric wires are made up of copper.						
	(B) If the work done to move a box a distance of 5 metres equal 20 joules. Calculate the force.						
	Write the chemical symbol of :						
Å	1. Iron.	2. Gold.	3. Copper.	4. Zinc.	1		
1	Ouestion 4				6		
1	Write the mathematical relationship that binds between each of the following:						
2	1. The weight of an object and its mass.						
ŀ	2. The number of electron	. The number of electrons that saturates certain energy level.					
J	3. Density, mass and volume of a substance.						
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	guration for the following elenentention the type of the element					
1. 40 Ca 2	. 20Ne 3. 35CI	4. 4He				
Give one example for :						
1. Liquid diatomic element. 2. Soft body organism.						
Alexandria Gover	norate Al-Safwa	Integrated School				
Answer the following question	ns:					
Ouestion 5						
Complete the following st	atements :					
	making jewels, while	alloy is used in making				
2. The monoatomic liquid	is, while the diatomic	liquid is				
3. The electric lamp change	es energy into	energy.				
4. From teethless mammal	s are and					
5. Heat is transferred in solids by, while in liquids by						
® Give one example :						
1. A very active metal.	2. Noble gas	i.				
3. Animal with soft body.	4. Arachnida	3.				
Question 2						
Write the scientific term:						
1. The temperature at which	1. The temperature at which matter begins to change from solid to liquid.					
2. The simplest pure form of matter which can't be analyzed.						
3. The ability to do work o	r make a change.					
4. The basic classification	unit of living organisms.					
5. The ability of some living	5. The ability of some living organisms to be hidden from enemies.					
6. Energy is neither created	l nor destroyed but it is converte	ed from one form to another.				
B Give reasons for:						
1. Atom is electrically neur	ral. 2. Heater	is placed on the ground.				
© Correct the underlined wo	ords :					
1. Measuring unit of energ	v is newton.					
2. In solar heater, the solar	energy is converted into kinetic	energy.				
	minute					
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الصف الأول الأعدادي

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- التحسيل المتحاسب التراق
- 2. The simple electric cell consists of a sugary solutions dipped in it two different metals.
- 3. Vougheir is the fern plant that reproduces by formation of seeds.
- 4. Heat is transferred from the Sun to the Earth by convection.
- Banana tree carries small-sized leaves.

Cross out the unsuitable word:

- 1. Locust Mosquito Cockroach Spider.
- 2. Beans Pea Pine Corn.
- 3. Petroleum wood Cork Iron.

لا تقدل الاشتراك في هُنــوات ذاكــرولي على نطوق الشيجرام

Give reasons for:

- 1. The intercourse (mate) between dog and cat impossible.
- 2. The motion of the children's swing is like that of the pendulum.
- 3. The atom is electrically neutral.

Question

Choose the correct answer:

- 1. An object of mass 2 kg. is moving at a speed of 4 m/s. has a kinetic energy joules.
 - a. 16

b. 64

- 2. In solar heater, solar energy is converted into energy.
 - a. light

- b. electric
- c. heat
- 3..... is from the rodents that undergo aestivation.
 - a. Rat

- b. Jerboa
- c. Desert snail
- 4. The colour property is a distinguishing factor between
 - a. Flour-sugar.
- b. silver-gold.
- c. oxygen-helium.
- 5. The third energy level is saturated by electrons.
 - a. 2

b. 18

- c. 8
- 6. A substance is solid and can't be soften by heating
 - a. copper.
- b. sulphur.
- c. aluminum.

Write the electronic configuration:

1. 23Na

2. 20Ne

Then determine each of the following:

1. Atomic number.

2. Mass number.

3. Number of electrons.

4. Number of Neutrons.

5. Number of energy levels.

Chemical activity.

الصف الأول الأعدادي (١٥٥٥ الكول المعامد

الصف الأول الأعدادي ص المحاصر

(A)	(B)	
1. Migration of quail bird	a. Scorpion.	
2. Soft bodies	b. Mosquitoes.	
3. Insects	c. Behavioral adaptation.	
4. Myriapods	d. Armadillo.	
	e. Scolopendra.	
	f. Earthworm.	

El-Menofia Governorate

Shebin Elkom Directorate

Answer the following questions:

- Complete the following sentences:
 - 1. A piece of metal its mass is 25 g. and its volume is 10 cm³, when it is placed in water it will (water density 1g/cm³.)

 - 3. The density is directly proportional to and inversely proportional to
 - 4. Drosera and Dieonea are examples for
 - 5. Some substances are solids which cannot be soften if heated such as and
 - 6. The networks of wireless transmitters of cellular phones cause pollution but car exhaust causes pollution.

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الصف الأول الأعدادي مرك الكالك وركي التعدادي

neutrons in each atom? (${}^{24}_{12}Mg - {}^{35}_{17}Ci$)

Question

- Write the scientific term for each of the following sentences:
 - 1. It is the temperature at which a substance begins to change from a liquid state into a gaseous state.
 - 2. It is a form of energy which transfers from a higher temperature object to a lower temperature object.
 - 3. Animals have one pair of incisors in each jaw.
 - 4. It is the amount of energy lost or gained by an electron when it transfers from one energy level to another.
- What happen when & Why ...?
 - 1. Dipping two different metals connected by a wire in an sugary solution.
 - 2. Removal the front teeth of hedgehog.
- C Compare between:

Sodium and copper according to (React with oxygen and Chemical activity).

Question

A Put (√) or (x):

1. Molecules of the same substance are different from each other.	(Ň
1. Molecules of the same substance are different from each other.		7

- 2. All mammals walk on four limbs.
- 3. Work done = Force × Displacement.
- 4. Activity of birds during the daylight and bats at night are examples of functional adaptation.
- 5. The electrons are distributed to fill the "K" level before filling the "L" level.
- 6. Intermolecular space between molecules of the matter is directly proportional with its intermolecular forces.

B Give reasons for:

- 1. Equal masses of different substances have different volumes.
- 2. It is easy to divide an amount of water into smaller parts.
- 3. The freezer is found at the top of fridge.
- 4. Spider is not from insects.

الصف الأول الأعدادي (١٤٥٥ كرائي العماص

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	Mention the difference between each of the following:							
0	1. Insects and arachnids. 2. Active metals and inactive metals.							
Give reasons for :								
V	1. Car engine is important to the car. 2. The heater is placed on the ground							
0	Question 22							
	Put (✓) or (x) and correct	the wrong ones :						
11 6	1. Argon atom (40 Ar) has fo	our energy levels.			()		
П	2. The melting point of wax	is equal to the mel	ting point of tab	le salt.	()		
	3. The kinetic energy of a st	tatic object equals a	zero.		()		
19.1	4. In the electric cell, the ele	ectric energy is con	verted into chen	nical energy.	()		
2+2	5. Insectivorous plants can't	t absorb the nitroge	nous substances	from the soil				
+	needed to make fat.				()		
	6. The energy level "K" has				()		
	Write the electronic config		owing atoms:					
9 8	1. ¹⁶ 8O 2.	35Cl						
	What is meant by ?							
	1. Micro-organisms. 2.	Adaptation.	3. Transfer of	heat by radiation.				
Tol.	Question 3							
	Complete the following sta	atements :						
	1. The density is the of unit volume of a substance and its measuring unit							
(2)	is							
	2. An alloy of is used in making jewels, while an alloy of is used in							
SV.	making coils. The emellest part of the element that can take part in a chamical meetion is known.							
0	3. The smallest part of the element that can take part in a chemical reaction is known as							
1	4. The symbol of sodium at	om is, wh	ile that of sulph	ur atom is				
P	5 is the basic unit	of classification in	living organism	ıs.				
2								
A								
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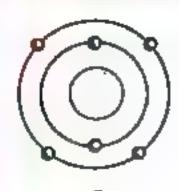
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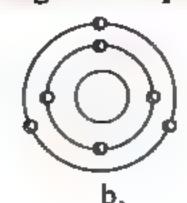
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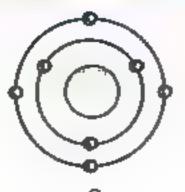
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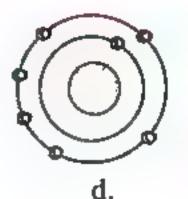
www.zakrooly.com Science المرسية المراسي التراق Write the names of elements of the following symbols: 2. Cu 3. Fe 4, C 1. H Write the scientific term for each of the following sentences: 1. The pollution produced from the networks of wireless transmitters of cellular phones. 2. The measuring unit of energy. 3. The positively charges particles in the nucleus of an atom. 4. The spaces that found among the molecules. Choose from column (B) what suits it in column (A): (A) **(B)** a. is a source of nuclear energy. 1. Wind generator 2. Radio cassette b. is a source of heat energy. c. is a source of electric energy. 3. Electric lamp d. is a source of light energy. 4. Oven e. is a source of sound energy. What happens when ...? 1. The pendulum passes its rest position (concerning potential and kinetic energy). 2. The electron gains a quantum energy. 3. Leaving a piece of iron exposed to moist air for a period of time. 4. Rubbing your hands together. Taliha Directorate Dakahlia Governorate Choose the correct answer: 1. The density of 12 gm. of pure iron is the density of 2 gm. from it. a. more than b. less than c. equal to d. no correct answer 2. The element whose atomic number is 10 and it doesn't take part in chemical reactions, it is similar in it's chemical properties the element whose atomic number equals c. 16 Ь. 11 d. 18 a. 9 هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى https://www.zakrooly.com للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا الصف الأول الأعدادي مركو الكالك المركو الأعدادي

3. Which of the following atoms represents an excited atom ...?









4. Amoeba, euglena and paramecium differ from each other in the

a. number of teeth.

b. number of legs.

c. kind of support.

d. way of movement.

5. insect exactly looks like the plant branches.

a. Stick

b. Beetle

c. Leaf

d. Locust

B Your classmate has seen a bird, he doesn't knows this bird's name but he managed to describe it as a bird with a sharp beak and the legs end in fingers with strong claws. According to your classmate story, answer the following questions:

- 1. What is the type of adaptation in both the beak and leg of this bird?
- 2. How many fingers are in each leg?
- 3. What type of food does this bird feed on?

Question

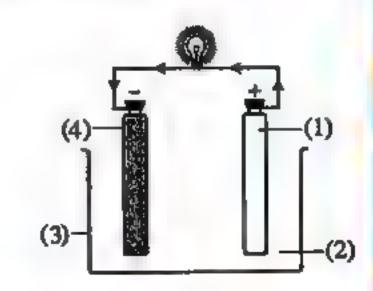


Put (✓) or (★) for each of the following:

- 1. The fuel inside the car is similar to the food inside the body of a living organism.
- 2. Heat is transferred in solid materials by radiation.
- 3. When air is cooled, density decreases, so it falls down.
- 4. No change in the potential energy when the object moves horizontally.
- 5. Gymnosperms are classified into monocotyledon and dicotyledon plants.
- 6. Smell property is a distinguishing factor between perfume and ammonia.

B From the opposite figure answer the following questions:

- 1. Mention the name of the opposite device.
- 2. Label the fig.
- 3. Mention the idea of its operation.



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Cuestion

- Give reasons for each of the following:
 - 1. Disappearance of a little amount of table salt when it is put in a beaker containing water for a period of time.
 - 2. The atom is electrically neutral.
 - 3. The kinetic energy will increase four times as the speed of the moving object is doubled.
 - 4. Car exhaust is considered from the negative effects of technological applications.
- Answer the following :
 - 1. The teacher advised the pupils to lie on the ground when the smoke emitted from any fire. What is your interpretation of the teacher's advise in the light of your understanding of the concept of transferring the heat by convection?
 - 2. The opposite figure represents a part of a plant.
 - a. What is the difference between this plant and bean plant?
 - b. What is the similarity between this plant and cycas plant?
 - c. Mention another example in the same classification of this plant.



- Write the scientific term for each of the following sentences:
 - 1. The modification in the behavior of a living organism at specific times of the day or year.
 - 2. The branch of biology that searches for the similarities and differences among living organisms.
 - 3. A group of animals that have one pair of incisors in each jaw.
 - 4. Energy is neither created nor destroyed, but it is converted from one form to another.
- Write the symbol of the following elements:
 - 1. Potassium.
- 2. Aluminium.
- Chlorine.
- 4. Nitrogen.
- A stone, whose mass is 5 kg. is thrown from a height of 8 m. find its potential energy and its kinetic energy:
 - 1. at the beginning of fall.
 - 2. After reaching at a height of 2 m.
 - 3. When the stone reaches the Earth.

(Knowing that the acceleration due to gravity = 10 m/sec^2 .).



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Port Said Governorate

Port Said Integrated Language Schools

Answer the following questions:

Question

Complete the following statements:

- 1. The front limbs of dolphins are modified into to take the role of
- 2. and are from micro-organisms.
- 3. Heat is transferred through liquids by, while through space by
- 4. The belongs to insects, whereas the belongs to arachnids.
- 5. An alloy of is used in making jewels, while an alloy of is used in making heating coils.
- 6. In the dynamo, energy changes into energy.
- Draw the electronic configuration for each of the following elements:
 - 1. 40 Ar

2. 7Li

- 3. 24 Mg

Give reasons for each of the following:

- 1. Some plants pounce and predate insects.
- You feel hot when you touch a hot metallic spoon.
- 3. Atom is electically neutral.
- 4. Inert gases can't share in chemical reactions.

- Write the word(s) that represent(s) each of the following (scientific term):
 - 1. The temperature at which matter starts to change from solid to liquid.
 - Ability to do work or to make a change.
 - 3. The branch of biology that searches for the similarities and differences among living organisms.
 - 4. The sum of potential and kinetic energies.
 - 5. The ability of some living organisms to be hidden from enemies or to capture the preys.
- In an experiments to determine water density, the following results are recorded:
 - Mass of an empty glass beaker = 56 g.
 - 2. Mass of the beaker containing water = 156 g.
 - 3. Volume of the water measured by a graduated cylinder = 100 cm^3 . Calculate the water density.

www.zakrooly.com Science التجسيل التصويسي التكويل Write the symbol for each of the following: 1. Chlorine. 2. Aluminium 3. Zinc 4. Silver Question -A Choose from column (B), what suits column (A): (A) **(B)** a, is from gymnosperms. 1. Banana plant b, has small sized leaves. 2. Wheat plant 3. Pine plants c. is from monocotyledon. d. is from dicotyledon. 4. Molukhiyah plant e. has large sized leaves. B Compare between each of the following: 1. Solar cell and solar heater (Concerning the energy transformation). 2. Elements and compounds (Concerning the definition and one example for each). Correct the underlined words: 1. The nucleus of the atom is negatively charged. 2. Hydrogen is from inert gases. 3. Octopus is from myriapods. 4. Bromine is the only liquid metal that its molecule consists of one atom. A Choose the correct answer: 1. is from teethless mammals. d. Sloth c. Lizard a. Lion b. Cow 2. is a permanent source of energy. d. The Sun b. Fuel c. Food a. Wind 3. Electric energy is converted into sound energy in c. radio cassette. d. pendulum. b. car lamps. a. car battery. 4. Taste property is a distinguishing factor between b. vinegar and perfume. c. salt and sugar. d. gold and silver. a. copper and iron. 5. An object whose mass 2 kg, is moving at speed of 4 m/s, its kinetic energy joule. d. 128 c. 32 a. 16 b. 64 هذا العمل حصري على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى اكهور وادن للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الألكتروني من هنا https://www.zakrooly.com الصف الأول الأعدادي

www.zakrooly.com Science والكري المساه المراكب المراكب المراكب Look at the following figure, then answer the following questions: 1. The position(s) at which potential energy is the maximum value. 2. The position(s) at which kinetic energy is the maximum value. Knowing that the weight of the ball = 20 N. Height Calculate the potential energy at position (1). = 50m.What is meant by ...? 1. The law of conservation of energy. Boiling point. 3. Quantum. Damietta Governorate Damietta Education Directorate Answer the following questions: Question Complete the following statements: 1. The simple electric cell converts energy into energy, while in solar cell energy changes into energy. 2. An alloy of is used in making jewels, while an alloy of is used in making heaters coils. 3. The cockroach belongs to, whereas the scorpion belongs to although both of them are arthropods. 4. Ammonia molecule consists of atoms and atom. 5. Heat is transferred through air by and 6. The monoatomic liquid is, while is diatomic liquid. 7. Some solutions are good conductors of electricity as solution, while some solutions don't conduct electricity as solution. Write the electronic configuration of following elements: 2. 13Al 3. ₁₀Ne 1. 17C

Detect the inactive atom during chemical reactions (Give reason).

When a piece of iron its mass 156 gm. is put in a graduated cylinder containing 100 cm³ of water the reading becomes 120 cm³ Calculate the density of iron.

- A Write the scientific term for the following:
 - 1. The number of negative electrons in the energy levels around the nucleus of the atom.
 - 2. The limited amount of energy needed or loss to transfer an electron from an energy level to another.
 - The ability of some living organisms to be hidden from their enemies.
 - 4. The process by which some animals hide in burrows to overcome low temperature.
 - 5. The temperature at which a matter begin to change from the liquid state to gaseous state.

التب ذاكرولي في البحث وانضم لجروبات ذاكرولي

منه رياض الاطفال للصف الثالث الاحدادي

- 6. It is a basic classification unit for living organism.
- Give one difference between each of the following:
 - 1. Bean plant and maize plant.
 - 2. Neutron and proton.
 - 3. Fish and snail.
 - 4. Intermolecular forces in solids and in gases.
- Write the symbols of the following elements:
 - 1. Calcium.
- 2. Silver.

3. Zinc.

4. Potassium.

- Give reasons for :
 - 1. The atom is electrically neutral.
 - 2. Drosera plant pounces insects.
 - 3. It is easy to divide an amount of water into small droplets.
 - 4. Some birds have long thin beaks and long thin legs.
- What is meant by ...?
 - 1. Adaptation.
- The excited atom.
- What happens when ...?
 - 1. The front teeth of hedgehog are not extending outwards.
 - Doubling the height of an object (concerning its potential energy).
 - 3. Using water to extinguish petrol fires.

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الصف الأول الأعدادي (١٤٥٥ المعامد كتباب المعامد

6. The simplest pure form of a matter which can't be analyzed simpler.

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الصف الأول الأعدادي ص المحاصد

El-Minia Governorate

New Minia Governmental Language School

Answer the following questions:

A	Chaosa	the	correct	answer	
	Choose	me	correct	answer	4

- 1. belongs to the animals with no body support.
 - a. Octopus
- b. Mussel
- c. Hedgehog
- d. Snake
- Dynamo converts mechanical energy into energy.
 - a. electrical
- b. nuclear
- c. solar
- d. chemical
- 3. An object of mass 2 kg is moving at speed of 4 m/s. has kinetic energy of J.
 - a. 16

b. 64

- c. 32
- d. 4

- 4. is a permanent source of energy.
 - a. Wind

b. Coal

- c. The Sun
- d. Water

Write the chemical symbol of:

1. Iron.

2. Silver.

- 3. Sodium.
- 4. Calcium.

Give reasons for:

- 1. The atom is electrically neutral in its ordinary state.
- 2. The heater is placed on the ground.
- Camel limbs end in a thick flat pad.

Complete the following statements:

- 1. Heat is transferred through milk by
- 2, and are from plants that reproduce by spores.
- 3. Attraction force among the molecules of mercury is
- 4. The front limbs of whale are modified into for
- 5. One of the harmful effects of mobile networks is pollution.

B Give one difference between each of the following:

- Bean plant and maize plant.
- 2. Ammonia molecule and nitrogen molecule.



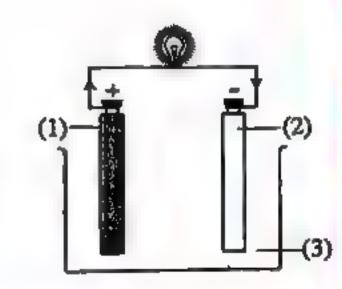
An object of density 0.5 gm/cm³ and volume 10 cm³ Find its mass ? And if you know the density of water is 1 gm/cm³. Does this object sink in water? And why?

- Write the scientific term:
 - 1. The heat state of an object on which the transfer of heat from or to the object depends.
 - 2. The temperature at which the matter begins to change from the solid state to the liquid state.
 - Energy is neither created nor destroyed but it can be transformed into another form.
 - 4. The ability of some body organs and tissues to do a certain function.
- What happens when ...?
 - 1. The beaks of ducks are narrow and not indented.
 - 2. The electron gains a quantum of energy.
 - 3. Using of water in putting out petrol fires.
 - 4. The height of an object is doubled (according to potential energy).
- Mention one example of each of the following:
 - 1. An insectivorous plant.
- 2. Camouflage.

Question

- Choose the odd word out then mention the relation between the rest:
 - $1._{7}N {}_{10}Ne {}_{9}F {}_{11}Na.$
 - Mosquito Spider Cockroach Ant.
 - Iron Copper Aluminium Wood
 - 4. Amoeba Euglena Clover Paramecium.
- Write the electronic configuration of the following atoms:
 - 1. 23Na

- 2. 40Ca
- Cook at the opposite figure, then answer:
 - 1. Mention the name of the opposite.
 - 2. Label the figure.
 - This device changes energy into energy.



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Assiut Governorate

Assiut Directorate

Answer the following questions:

Question

A Complete the following statements:

- 1. The density is the of unit volume of a substance and its measuring unit is
- 2. Hydrogen molecule is composed of atoms, while argon molecule is composed of atom.
- 3. is from the plants that reproduce by formation of spores, while is from the plants that reproduce by formation of seeds inside cones.
- 4. Mechanical energy = +
- 5. The whale's front limbs are modified into to take the role of

What is meant by ...?

- 1. Boiling point.
- 2. The potential energy of an object = 20 joules.

Write the symbols of the following elements:

- 1. Sodium.
- 2. Aluminium.

Give reasons for:

- 1. A piece of ice changes into water after a period of time when it is left in air.
- 2. Some plants pounce and digest insects.
- 3. The freezer is found at the top of the fridge.
- 4. The atom is electrically neutral.

B Write the electronic configuration of the following elements, then:

- 1. 7Li
- 2. 24Mg
- Find the number of electrons in the outermost energy leve1 in each atom.
- Calculate the number of neutrons in each atom.
- What is the mass of a body, whose kinetic energy is 64 joules and its speed is 4 m/sec?



الصف الأول الأعدادي (مركم الكالمي التعاليمي)

- 1. The heater is put at the bottom of the room.
- Workmen melt the solid metals.
- Atom is electrically neutral.
- Some animals hibernate in winter.

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الصف الأول الأعدادي مركو الكاليج



الصف الأول الأعدادي ص الم الكول الأعدادي

www.zakrooly.com Science التخصيل الكواسي الكوال 3. Cockroaches is considered from, while scorpion is considered from 4. The horse foot ends with and this type of adaptation. 5. The water molecule consists of one atom from and two atoms from 6. Some solids are soft at ordinary temperature such as, while cannot be soften if is heated. Show the electronic configuration for the following atoms, then show which one is active and which one is inert: 1. 40 Ca 3. 24 Mg 2. 4He What is the meant by ...? 1. The melting point of ice = zero degree celsius. 2. The kinetic energy of an object = 400 joule. Question Correct the underlined word from the following: The liquid element which its molecule consists of two atoms is mercury. 2. Transfer of heat by conduction does not need a material medium. 3. The relation $2n^2$ determines the number of neutron in energy level. 4. The networks of cellular phone cause noise pollution. Copper rode is the negative pole in the simple electric cell. 6. The stored energy in battery car is potential energy. A metallic ball has 4 Kg/mass launched upward to 6 m. hight, calculate the potential energy at maximum Height. Knowing that gravity acceleration = 10 m/s? Mention each of the following : 1. The way of heat transfer through amount of water. 2. The device which is used in examining of micro-organisms. 3. Edentates (teethless animal). 4. The reason which makes chameleon colours itself with the dominant colours of the environment. Determine the energy transformation in each of the following: 1. Electric lamp. 2. Electric generator (dynamo). PER PROP Write the scientific term for the following: 1. The simplest pure substance that could not analyzed into simpler form. 2. The number of positive protons inside the nucleus of the atom. هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على أي مواقع أخرى للمزيد من أعمالنا الحصرية تفضل بزيارة موقعنا الالكتروني من هنا https://www.zakrooly.com

الصف الأول الأعدادي صحاحات

What would happen when ...?

The electron requires a quantum of energy.

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